

ANAND J

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B. Tech. in Computer Science and Engineering

Federal Institute of Science And Technology (FISAT)[®], Angamaly



Academic Record

2013 - Present	B. Tech, CSE, M G University	Federal Institute of Science And Technology (FISAT) Angamaly, Kerala	81.35%
2012 - 2013	XII (Science) AISSCE, CBSE	Sreyas Public School And Junior College Ponkunnam, Kottayam	89.20%
2010 - 2011	X, AISSE, CBSE	Sreyas Public School And Junior College Ponkunnam, Kottayam	95.00%

Work Experience

Enbitree Innovations

March 2013 - June 2014

Developer, Trainer and Finance Officer. Played key role in software design and analysis projects of Enbitree Innovations and was in charge of the financial operations of the start-up for over a year. Designed websites and automation tools for individuals and firms. Provided training in programming languages to students as well as school teachers helping them to understand the programming languages better and also the underlying concepts of smart programming and system security. The start-up ceased operations in July 2014 and was incubated at Startup Village, Kalamassery.

Academic Projects

Attila: A software vulnerability analysis tool for LINUX

January 2016 - May 2016

Platform: Python, PyQt, XML

A tray based application for LINUX based systems that automates the vulnerability analysis of the system and gives a report of the vulnerabilities present in the system, so that the developer can take measures to avoid potential attacks. The entire project was designed and implemented in Python language and the interfaces were designed using PyQt.

WIRIO: An HCI System for user verification and system customization

January 2017 - May 2017

Platform: Python, PyQt

A system to verify and re-authenticate the users using behavior, specifically, mouse dynamics and also a smart search bar for faster search results in webpages. Achieved reasonable accuracy in detecting and categorizing mouse motion dynamics.

Biblioteca: Library Management Software using C++

January 2013 - March 2013

Platform: C++ and C

Software that track the books issued and returned in a library, along with the student details using files in C++. The project was developed as a part of the twelfth standard curriculum and was fully designed and developed from scratch. The project also incorporates multi-color interface system designed from scratch using the graphics.h library.

Other Projects

- e-Mithram Software** Platform: Python, C, C++, Java March 2016
An Android based application that enables real-time translation of anything that is placed in-front of the camera. Very useful as it captures the manuscripts placed in front of the phone camera and searches it in real time and fetch the response. Member of the six member team that developed the software.
- Electronic Score Board Renovation** Platform: Python, Embedded C April 2014
A 12 digit 7-Segment Display System, operated remotely by using radio transmission. Was a team member in the team which was assigned with the renovation work along with the then CHPC Research Team.

Technical Skills

Programming Languages

• C • C++ • Python • Java • PHP • Ruby • HTML • JavaScript

Platforms

• OpenCV • LaTeX • Open Hardwares • PyQt • Bootstrap • Google APIs • OpenGL • Oracle

Operating Systems

Linux | Debian, Ubuntu, Fedora, Manjaro, Arch Linux and Kali Linux

Windows | Windows XP, Windows 7, Windows 8 and Windows 10

Industrial Training

- Summer Internship at **Veristics Networks Pvt. Ltd., Thiruvananthapuram** July 2015
Received ample front-end and back-end development training on consumer bulk SMS platform, **VINGS-SMS**. Platforms: Java, HTML, JSP, ASPX and NodeJS.
- Internship at **FISAT Summer School 2015** August 2015
Trained on various platforms like OpenCV, PyQt, Python, Ruby and Java as well as exposure to industry standards in software development through experts from the computing industry.

Academic Achievements

- Selected as one in eighteen students, globally, to receive IEEE Computer Society's **Richard E. Merwin** Scholarship, for academic achievements and volunteering in IEEE and IEEE Computer Society in April 2016.
- Awarded the PTA Perseverance Award 2013 representing Department of CSE during the Annual General Body Meeting in January 2014 for the academic excellence.
- Third rank holder at school level for AISSCE, conducted by CBSE in May 2013.

Other Achievements

- Awarded the "Best Outgoing Student 2017" by Department of CSE, FISAT in March 2017.
- Awarded the "Best Student Volunteer 2016" of IEEE FISAT Student Branch in March 2016.
- Special mention by IEEE Computer Society 2016 President, Mr. Roger U. Fujii during the All-India Computer Society Students and Young Professionals Congress 2015 in December 2015 at NSIT, Delhi for contributions to IEEE CS Compute and IEEE Computer Society India Council Student Activities Committee.

Position of Responsibilities Held

- **Regional Student Ambassador for Region 10 Asia-Pacific**, IEEE Computer Society for the year 2016 and Mentor, IEEE Student Branch, Nehru College of Engineering, Palakkad.
- **Vice-Chairman**, IEEE Computer Society India Council Student Activities Committee and team lead for activities conducted by the SAC.
- **Editor-in-Chief** and **Team Lead** for IEEE Compute, IEEE CS ISAC newsletter and **Team Lead** for **Websites**.
- **Chairman** of IEEE Computer Society Student Chapter, FISAT for two consecutive years and **Treasurer** of IEEE FISAT Student Branch.
- **Joint Secretary** of Thyra, the CSE student association in 2015 and **Treasurer** of Thyra in 2014.
- **Treasurer and Executive Committee Member** of FISAT Free Software Cell and **Student Representative and Member**, Placement Cell, FISAT
- **UG Student Member** of Library Advisory Committee, FISAT.
- **Design Team Member** of IEEE Educational Society Global Team and IEEE India Council.
- **Chairman** of ACM Students' Chapter, FISAT.

Professional Memberships

IEEE | IEEE Computer Society | FISAT Free Software Cell | Mozilla Developer Network | ACM

Extra Curricular Activities

- Participated and secured third position among 26 teams in coding competition conducted by Department of CSE, Sahradaya College of Engineering in August 2016.
- Organizing committee member and technical head for **Virtual Appearances Programme** in July 2016, which attracted global attention to FISAT.
- Problem setter and evaluator for **IEEE Programming League 1.0** in 2015 and **IEEE Programming League 2.0** in January 2016.

Hobbies and Interests

Origami | Poetry | Web Design | Pencil Drawing | Graphics Design

Personal Information

Address | Vrindavanam House, Elikkulam P.O., Elikkulam
Kottayam District, Kerala, PIN 686577

Languages Known | English, Hindi and Malayalam

References

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