

V U Deepakumar

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Education

DEGREE	INSTITUTION	UNIVERSITY / BOARD	YEAR OF PASSING	SCORE
B.E. Computer Engineering	Pune Institute of Computer Technology	Savitribai Phule Pune University	2019	8.88 CGPA
12 th	City International School	CBSE	2015	90.00%
10 th	City International School	CBSE	2013	8.4 CGPA

Skills & Abilities

- ❖ **Programming Languages** - Golang, R, Python, C++, Java (Android).
- ❖ **Blockchain Development** - Hyperledger Fabric, Node.js.
- ❖ **DBMS** - DynamoDB, TimeStreamDB, Athena, MySQL.
- ❖ **Environments** - Mac OS, Linux and Windows.
- ❖ **DevOps** - TeamCity, Jenkins, Puppet, Gradle.
- ❖ **AWS** - Lambda, SQS, SNS, API Gateway, Cognito, S3, CloudFront, ECS, CloudWatch, WAF, IoT Core, Kinesis Firehose, AWS Glue, AWS Batch Job, AWS Private CA, AWS Global Accelerator, SAR, SAM, CloudFormation.



Project Work

- ❖ **Automated Glaucoma detection using CNN**
 - Detection of Glaucoma which is one of the major cause of blindness using image processing and convolutional neural network.
 - The Project was sponsored by **National Institute of Ophthalmology (NIO)**.

Achievements / Co-curricular

- ❖ Efficiently lead the PICT Robocon team in 2018 with an achievement to design the first autonomous robot in the history of PICT Robocon and participated in National Level Robocon 2018 and secured AIR 14.
- ❖ Runner Up in the Smart India Hackathon 2019 (Ministry of Textiles).
- ❖ Participated in the Honeywell Leadership Challenge Academy (HLCA) 2014, hosted by the U.S. Space & Rocket Center in Huntsville, Alabama.

Experience

- ❖ **Espressif Systems – ESP RainMaker Backend Team (Dec 2020 - Current)**

Cloud Backend Engineer: (July 2021 - Current)

- Leading the design and development of a highly scalable cloud-based Matter PKI product by Espressif and delivered the first iteration of the product within 8 weeks.
- Designed and implemented numerous highly scalable and cost-efficient cloud serverless architectures with a wide range of AWS services.
- Introduced request batching to reduce request execution time by 20% and costs by 30%.
- Took the initiative to implement dependency management in order to completely eradicate production build errors.
- Introduced package vulnerability screening for Golang packages by third parties and updated numerous vulnerable packages.
- Mentored junior team members.

Associate Cloud Engineer: (Dec 2020 – June 2021)

- Worked extensively in Golang to develop numerous features for RainMaker.
- Identified and promptly fixed a platinum level privilege escalation vulnerability in RainMaker.
- Discovered various tools for the team to ease the development.

- ❖ **UBS – Scenario Hub (July 2019 – Nov 2020)**

Software developer: (July 2019 – Nov 2020)

- Worked extensively in R to process inputs necessary for risk simulation models.
- Integrated DevOps into our product deployments using Teamcity and Puppet to reduce deployment time by 50% and issues by 90%.
- Developed R package to extensively log errors for parallel execution, which aided in cutting the time spent debugging by 80%.

- ❖ **Yoryo technologies – (Jan-Mar 2019)**

Blockchain developer Intern

- Developed a fully functional prototype of a logistics sharing D-App using Hyperledger Fabric.
- Put together the required documentation to support project efforts.

Extra-Curricular Activities

- ❖ **Social:** CSR, Blood Donation.
- ❖ **Sports:** Swimming, Badminton.