

PALASH GUPTA

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EDUCATION

North Carolina State University, Raleigh

Aug 2019 - Anticipated May 2021

Masters in Computer Science

Courses: Design and Analysis Of Algorithms, Operating Systems, Computer Networks, Graph Theory, Software Security, Database Management concepts and Systems.

GPA: 3.67/4.0

Vellore Institute of Technology, Vellore

July 2014 - May 2018

B.Tech, Computer Science Engineering

CGPA: 8.7/10.0

TECHNICAL SKILLS

Programming Languages	Python, Java, C#, C++, C
AWS Services	Lambdas, Cloudformation, Cloudwatch
Web Development	JavaScript, PHP, Bootstrap, HTML, CSS
Databases	SQL, Oracle SQL Developer, MySQL, phpMyAdmin
Software Tools	VS Code, Ranorex, Eclipse, Atom, Apache Web Server, Jboss, Postman, Fiddler

EXPERIENCE

Software Engineer Intern

May 2020 - Current

LexisNexis, Raleigh, USA

- Developed lambdas to automate 95% manual processes using Cloudwatch events in AWS by implementing a cron job.
- Created Jenkins pipeline - undertook packaging, deployment of lambda to S3 bucket and execution via Cloudformation.
- Refinement brought quicker remediation of outages in production and auto-throttling of thread count.

Graduate Engineer Trainee

Aug 2018 - July 2019

Mercedes-Benz Research and Development, Bangalore, India

- Developed a test automation framework for Xentry, official Mercedes-Benz dealer software for vehicle diagnostics.
- Enhanced speed and performance of test solutions by carrying out necessary code optimizations thereby reducing manual test effort by 75% and cutting down the scope of test cycle from 7 days to 5 across 12 vehicle lines.
- Coordinated and engaged with diverse teams to create test beds based on feedback from 5 countries.

Software Engineering Intern

Dec 2017 - April 2018

Oracle, Hyderabad, India

Internal Internationalization Tool Upgradation

- Accomplished migration of Oracle's internal tool for i18n standardization from legacy software components to latest JDK.
- Enriched build infrastructure using Maven, improved security and brought down build time by 50%.
- Went beyond the scope of internship project, signing up for Project SENSE researching alongside senior Oracle developers from concept to implementation stage.

Project SENSE

- Successfully formulated a common portal for an interviewer and candidate using Skype Interviews REST API.
- Created real time JWT(JSON Web Tokens) authenticating requests made to Skype Interviews.
- Worked on a prototype of sentiment analysis on the video of Skype interviewee.
- Collaborated with senior team leads and management at Oracle, identified key functionalities to be improved.

PROJECTS

Operating Systems Utilities for Xinu Operating System

Jan 2020 - May 2020

- Implemented read/write locks to allow concurrent resource sharing safely.
- Designed and implemented multiple schedulers in kernel programming ensuring fairness during process execution orders.
- Implemented demand paging mapping large address spaces into small amount of physical memory using backing stores.

ACHIEVEMENTS

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| · Winner of Rise to Code Hackathon among 25 participating teams organized by LexisNexis at Raleigh, NC. | 2019 |
| · Ranked 5th in Coding Premiere League organized by SCOPE-VIT among more than 50 participating teams. | 2018 |
| · Received Certificate of Excellence for the ethics poster on the issue - "Save Water, Save Life". | 2016 |