DEVIKRISHNA RADHAKRISHNAN

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EDUCATION

National Institute of Technology, Calicut, India   2014 - 18
Bachelor of Technology
Computer Science and Engineering   8.46/10

KV Pangode, Trivandrum, India   Graduated in 2014
Higher Secondary Education, Grade 12   98.4%
Secondary Education, Grade 10   10/10

COURSEWORK

- Data Structures and Algorithms
- Advanced DBMS
- Operating Systems
- Compiler Design
- Computer Networks
- Data Mining
- Image Processing
- Computer Security
- Web Programming

EXPERIENCE

Oracle   June 2018 - Present
Applications Engineer, Oracle Service Cloud

- Part of core server team handling all database layer functionalities.
- Developed secure and optimized data management APIs for end users.
- Pushed fully-tested features to support optimized periodic purging of archived data which reduced code run-time by over 15x.
- Refactored, optimized and added test driven development for Orphan Sweep, a utility to asynchronously handle dependencies of database actions.
- Wrote unit tests to test drive all new features and improve code base coverage to over 80%.

Deloitte Consulting   May 2017 - July 2017
Technology Analyst Intern

- Co-developed a system for effortless digitization of data using Visualforce framework on the Salesforce CRM platform.

Indian Institute of Space Science and Technology   June 2016 - July 2016
Research Intern

- Developed an optimal mix of routing protocols (mix-protocol) that maximised communication between heterogeneous hierarchical DTNs (Delay Tolerant Networks) in ONE simulator.
- The mix-protocol optimized for delivery probability of packets between DTNs under variable traffic load and cluster size of individual DTNs.

PROJECTS

Analysis of Bitcoin Transactions— *Data Mining* 2017 - 2018

- Analyzed the pertinence of degree and balance based 'Preferential Attachment' phenomenon in a bitcoin network by studying the structure and wealth distribution.
- Proved the presence of the phenomenon using correlation tests, degree distribution analysis and clustering techniques.

PhD Thesis Portal— *Advanced DBMS* 2018

- Created a full stack web application to track progress of PhD thesis evaluation by PhD scholars and evaluators while at the same time ensuring evaluator's anonymity.

Experimental Operating System— *Operating Systems* 2016

- Created an experimental OS using SPL (System Programmer's Language) and APL (Application Programmer's Language) that supported Process Management, Memory Management and System Calls.
- The OS supported loading and execution of programs that are pre-loaded in the XSM (Experimental String Machine).

Procedural Language Compiler— *Compiler Design* 2017

- Created a toy compiler for a simple procedural language ExpL (Experimental Language) that performed front-end and back-end compiler functionalities to obtain a target binary executable file.

SKILLS

Over 5000 lines	C++, C, Python
Familiar	Java, PHP
Web	HTML, CSS, JavaScript, MySQL
Dev Tools	Postman, Docker, Apache Jmeter, Git

AWARDS

2019	1st in Cloud Applications Hackathon
2015	**Top 100 in India** to be selected as delegate to witness Republic Day Parade, 2015 from Prime Minister's box
2014	Top 0.1%, India in AISSCE Computer Science and Physics toppers
2014	1stRANK in Higher Secondary School, AISSCE
2014	**All India 11th RANK** in AISSCE

ORGANIZATIONS

Computer Science and Engineering Association— *Executive Member*

- Conducted technical workshops and competitive coding contests for college (freshman and sophomore level) students.

Literary and Debating Club— *Joint Secretary*

- Managed a team of 26 students to conduct literary and debating events within and outside college.