



AJAY SANJEEVAN

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EDUCATION

University of Virginia, School of Engineering and Applied Science

Charlottesville, Virginia

M.S in Computer Science

Aug. 2022 - Expected Dec. 2023

BMS College of Engineering, Bangalore

Karnataka, India

B.E in Computer Science and Engineering; CGPA: 8.82/10.0

Aug. 2015 - May. 2019

Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Networking, Databases

SKILLS SUMMARY

- **Languages: Expert:** Java, Python, R, Shell, HTML/CSS. **Intermediate:** JavaScript, C, C++.
- **Databases:** Oracle, SQL Server, MongoDB, MySQL, Postgres.
- **Tools and technologies:** Django, Spring, AWS (EC2, S3), Jenkins, Node.js, Angular, J2EE, SOAP, jQuery, NoSQL, Flask, Git, React, Maven, Weblogic, Express.js, JMS, AJAX, REST API, JSON, PHP, Front-end, Agile, Back-end, Micro-services.

EXPERIENCE

UVa Biocomplexity Institute

Charlottesville, Virginia

Software Developer Intern

May 2023 - August 2023

- Architected and deployed an interactive tool for public health practitioners to extract insights from time series data related to ongoing epidemic outbreaks. **Tech:** HTML, CSS, Django, R, Python, REST API.
- Led the dev team and collaborated with technical experts and customers to identify architecture challenges and new enhancements.

Oracle Corporation

Bangalore, India

Senior Member of Technical Staff

Jun 2019 - Jul 2022

- Enhancing and maintaining User Messaging Service component of Oracle SOA Suite, which is built on J2EE technologies and used by more than 100+ customers.
- Implemented the migration of UMS from 11g to 12c version. Designed compatible codes to support the product during and after the migration process.
- ARCAT Tool: Developed a self-contained tool to aid in the root cause identification from server logs. This tool reduced customer escalations by 30% and increased troubleshooting efficiency by 40%.
- ARCAT Analytics: Built a live, interactive analytics dashboard to display the reporting statistics of ARCAT users with various filtering options. **Tech:** ADF, JSF, JPA, J2EE, JSON, Weblogic, Oracle Database.

Nokia R&D Centre

Bangalore, India

Trainee Engineer

Jan 2019 - May 2019

- Designed algorithms and models to identify patterns in the ALARM data set to reduce manual intervention of troubleshooting critical issues. Cleaned and validated data to ensure accuracy, completeness and uniformity.

Wizroots Technologies Pvt Ltd

Bangalore, India

Software Intern

May 2017 - Jun 2017

- Created and deployed an admin portal, to easily manage and track employee profiles and the various resources assigned to them (Full stack developer). **Tech:** HTML, CSS, Express.js, MySQL.
- This led to an increase in operational efficiency with administrative tasks now being completed 30% faster and resulting in a 20% reduction in errors related to resource allocation.

PROJECTS

- **News Application (Startup, NLP, Clustering, Web Scraping, Django):** A backend application that collects and displays news articles. Integrated ML, NLP models to summarize news articles and prevent article repetition. Improved writing efficiency by 50%, which led to an 22% growth in the monthly app subscription.
- **Diet Recommendation System (Python, Machine Learning):** Built a Recommendation System, that actively contributes to a user's daily diet by providing healthy food recommendations by using Random Forest.

ACHIEVEMENTS AND VOLUNTEER EXPERIENCE

- Graduate Teaching Assistant for APMA-3150 (Data to knowledge) Fall 2022 and APMA-3110 (Applied Statistics and Probability) Spring 2023.
- Oracle Assimilator Award Winner FY20.
- Member of Graduate Engineering Student Council social committee, and organized many social events across all engineering schools.