# 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:** AWS (EC2, S3, RDS), MapReduce, Numpy, Pandas, Tensorflow, J2EE, SOAP, jQuery, NoSQL, Django, Flask, Git, React, Maven, Jenkins, Oracle Weblogic, Apache Tomcat, Express.js, Docker, JMS, AJAX, Spring.

## EXPERIENCE

**UVa Biocomplexity Institute** — Charlottesville, Virginia
*Software Developer* — *May 2023 - Present*

- Working on an interactive tool for public health practitioners to extract insights from time series data related to ongoing epidemic outbreaks. **Tech:** HTML, CSS, Django, R.
- Leading the dev team and also interacting 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.

**Nokia R&D Centre** — Bangalore, India
*Trainee Engineer* — *Jan 2019 - May 2019*

- Developed 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*

- Developed and deployed an admin portal, to easily manage and track employee profiles and the various resources assigned to them. **Tech:** HTML, CSS, Express.js, mysql.

## PROJECTS

- **News Application (NLP, Clustering, Web Scraping, Research Project, Django):** A backend application that collects and displays news articles. Integrated ML, NLP models to summarize news articles and prevent article repetition. Explored use case studies for news extraction, abstractive summarization, word embedding, and accuracy.
- **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.