



# AJAY SANJEEVAN

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## EDUCATION

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- **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

## SKILLS SUMMARY

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- **Languages:** Java, Python, C, C++, R, Shell, HTML/CSS, JavaScript
- **Databases:** Oracle, SQL Server, MongoDB, MySQL, Postgres
- **Tools and technologies:** AWS (EC2, S3, RDS), MapReduce, Numpy, Pandas, Tensorflow, J2EE, SOAP, jQuery, NoSQL, REST, Django, Flask, Git, Linux, PHP, Maven, CI/CD, Jenkins, Machine Learning, Oracle Weblogic, Apache Tomcat, Express.js, Docker, Agile, Cloud Computing, JMS

## EXPERIENCE

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- **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 reduced customer escalations and troubleshooting time.
  - **ARCAT Analytics:** Built a live, interactive analytics dashboard to display the reporting statistics of ARCAT users with a variety of filtering options. Tech: ADF, JSF, JPA.
  - **Research:** Key participant in the research project of developing a search engine to display matching bug details based on an exception stack. My primary focus was on word embedding and text similarity.
- **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

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- **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.
- **Smart Cradle (IOT):** Built a smart, automatic cradle that reduces the need for constant human monitoring of an infant. It is equipped with sensors and performs tasks based on event criticality.

## ACHIEVEMENTS AND VOLUNTEER EXPERIENCE

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- 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.
- Member of Oracle Volunteer India Team. Undertook activities to support nonprofit organizations and sustainability.