



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

## SKILLS SUMMARY

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- **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, Numpy, Pandas, Tensorflow, J2EE, SOAP, jQuery, NoSQL, Flask, Git, React, Maven, Oracle Weblogic, Apache Tomcat, Express.js, JMS, AJAX.

## EXPERIENCE

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- **UVa Biocomplexity Institute** Charlottesville, Virginia  
*Software Developer Intern* 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 collaborating 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
  - 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. **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

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- **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

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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.