




# BALAKRISHNA MANGALA

Baltimore, Maryland

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 <https://portfolio-balakrishnamangala.pages.dev/>

## Education

**University of Maryland Baltimore County, Baltimore, MD**

**September 2023 – May 2025**

*Master of Science in Computer Science*

*GPA - 3.46*

**Anurag University, Hyderabad, India**

**July 2018 – May 2022**

*Bachelor of Science in Computer Science*

*GPA - 3.8*

## Experience

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**Jan 2025 – Present**

*Software Development Intern*

*Baltimore, USA*

- Currently working on client and customer-facing web applications using React, Go(Golang), and Google Cloud.
- Assisting in designing and enhancing ordering workflows, integrating APIs, and optimizing application responsiveness.
- Engaged in leveraging Azure DevOps, GitHub, and Slack for efficient software deployment and issue tracking.

**Capgemini Engineering**

**July 2022 – August 2023**

*Associate-II Software Engineer/ Senior Analyst*

*Bengaluru, India*

- Developed and maintained scalable RESTful and SOAP APIs using Java, Spring Boot, and Hibernate for credit risk domain applications. Conducted unit testing and contributed to CI/CD pipelines using tools like Jenkins and GitHub Actions. Built secure, maintainable microservices hosted on Pivotal Cloud Foundry.
- Participated in agile Software development, prototyped and code reviews with a small team of developers.
- Designed new features and performance enhancements for existing systems.

**Capgemini Technology Limited**

**February 2022 – June 2022**

*Software Engineer Intern*

*Hyderabad, India*

- Built a web application through Angular and created different components for the application.
- Collaborated with teams using Git for code management and task allocation in MEAN stack projects along with a cross-functional team to design, develop, and integrate RESTful APIs.

## Projects

**Multiplex Booking System** | *React, Node.js, MongoDB, Postman, GitHub Actions*

**January 2023 – March 2023**

- Developed a website for Online Movie Ticketing System using HTML, Bootstrap, JavaScript, React.js as front-end and Node.js and Express.js as back-end and database MongoDB.
- Built a powerful and complete REST APIs using ReactJS and performed the API testing on postman. Designed and configured a database to perform CRUD operations using MongoDB hosted on AWS Amplify.

**Credit Risk Scoring API Service** | *Java, Spring Boot, REST, GitHub Actions*

**July 2022 – August 2022**

- Developed a secure RESTful API using Java and Spring Boot to calculate credit risk scores, with Hibernate and MySQL for data persistence.
- Exposed secure endpoints in JSON format, integrated unit testing with a Java test library, and deployed the service to a container-based cloud platform with automated deployment scripts.

**Descriptive Online Examination System** | *HTML, Bootstrap, JavaScript, Python, SQLite*

**March 2022 – April 2022**

- Built an examination portal using Django (Python), implementing REST APIs and managing data with SQLite.
- Integrated NLP techniques for auto-evaluation, showcasing backend logic and data processing.
- Developed the website has the feature where the students write the descriptive answers which will be automatically evaluated with the help of Natural Language Processing Techniques.

## Technical Skills

**Programming Languages:** Python, Java, C, C++, HTML/CSS, JavaScript, Golang, SQL, PL/SQL

**Web Services:** Rest, SOAP, JSON, XML

**Frameworks and Libraries:** Spring, React, Angular, Node.js, Express.js, Hibernate, Weka, Streamlit, Redux, NgRX

**Tools, Technologies and OS :** Postman, GitHub Actions, Jenkins, Azure DevOps, ServiceNow, Linux, Angular CLI

**Methodologies:** Agile, CI/CD, ITIL

**Data Management and Cloud:** MySQL, SQLite, MongoDB, Azure, AWS