

Konduru Sumanth Varma

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PROFILE

Detail-oriented and results-driven **Full Stack Developer** with 1.6 years of experience building scalable web applications and backend systems. Proficient in designing and developing robust APIs, optimizing databases, and delivering dynamic, user-centric front-end experiences. Skilled in .NET Core, C#, ADO.NET, Oracle Database for backend development, and React.js, Next.js, JavaScript, HTML, and CSS for front-end interfaces. Experienced with RESTful APIs, cloud integration, Agile methodologies, and software performance tuning to deliver secure, maintainable, and high-performing applications.

EDUCATION

B.E Computer Science and Engineering | CGPA: 8.39
College of Engineering, Guindy

2019 – 2023

PROFESSIONAL EXPERIENCE

Jio Platforms Limited

Software Development Engineer

10/2023 – present
Navi Mumbai, India

- **Developed and deployed** an interactive KPI dashboard for Jio Beat Planner and Jio Pulse using **.NET Framework, Oracle Database, and JavaScript**, boosting analytics insights and executive reporting efficiency by **30%**.
- **Implemented and fine-tuned** a cache scheduler to optimize web application performance, achieving **25% faster** data retrieval and improving backend responsiveness.
- **Enhanced** Oracle Database performance by executing table partitioning strategies on datasets exceeding **50 million rows**, resulting in **40% faster** query execution and a **30% reduction** in maintenance overhead.
- **Architected and integrated** a custom authorization and access control filter in **.NET Core**, strengthening application security and achieving **100% compliance** with internal governance protocols.
- **Collaborated** on the development of an internal API documentation portal using **Next.js** and **Swagger**, improving developer onboarding efficiency by **25%** and reducing API integration errors by **15%**.
- **Constructed** a background scheduler service in **.NET Core** for tracking and logging user activity (IP addresses, modules accessed, actions performed), leading to a **50% increase** in audit trail accuracy and enabling deeper usage analytics.
- **Engineered** a secure, scalable **.NET Console Application** for dynamic Oracle database connection management, featuring **JSON-based configurations, AES encryption/decryption, and Serilog-based operational logging**, enhancing system security and traceability by **30%**.

SKILLS

Programming Languages: C#, C++, Java, JavaScript, HTML5, CSS3

Frameworks & Tools: .NET Framework, .NET Core, ASP.NET MVC, ADO.NET, Entity Framework, React.js, Next.js, Visual Studio, Git, Postman, Serilog Logging

Database Management: Oracle, SQL, PL/SQL

Technologies: REST APIs, Microservices, Redis, RabbitMQ, SMTP, JWT Authentication

Software Practices: Agile, SDLC, Multithreading, SOLID Principles, Design Patterns, Object-Oriented Programming (OOP)

Cloud & DevOps: Microsoft Azure(Basic), CI/CD Pipelines

PROJECTS

Convo-pal

Web Application

- **Developed** a real-time group chat platform using **HTML, CSS, JavaScript, PHP, and MySQL**, enabling users to exchange instant messages through a lightweight backend.
- **Integrated** basic multiplayer games inside the chat environment using **JavaScript** and **PHP** to make the platform more interactive and engaging.
- **Built** backend scripts in **PHP** with **MySQL** for user authentication, message storage, and basic chatroom functionality.

BANANA CLASSIFICATION

Dataset Classification

- **Built and evaluated** multiple deep learning models using **Python, TensorFlow, Keras, and Scikit-learn** to classify banana images based on ripeness stages.
- **Applied transfer learning** with **pre-trained models** including **ResNet, MobileNet, DenseNet, and VGG**, significantly improving classification accuracy on a custom banana dataset.
- **Pre-processed** image data using **Pandas and NumPy**, employing augmentation techniques such as rotation, flipping, and scaling to enhance model generalization.
- **Visualized** training progress and performance metrics using **Matplotlib** and **Scikit-learn**, analyzing precision, recall, and F1-score to select the best model.

NOTE MAKING

Web Application

- **Created** a lightweight note-taking application using **HTML, CSS, and JavaScript**, enabling users to add, edit, delete, and manage text notes locally in the browser.
- **Utilized** local data storage and dynamic DOM manipulation with JavaScript for a smooth, serverless user experience.
- **Designed** a minimal, mobile-responsive interface focused on speed and usability, using pure **CSS3** styling.