

Anish John Moothedam

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Technical Skills

- **Languages:** JavaScript, TypeScript, Java, Python, C++, Bash
- **Web & Backend:** NestJS, Node.js, Express, Django, Flask, WebRTC, REST APIs, JWT
- **Frontend:** React, React Native, Tailwind CSS
- **Databases & DevOps:** MongoDB, PostgreSQL, MySQL, Docker, GitHub Actions
- **Tools & Platforms:** GitHub, AWS, Postman, Selenium, Figma, Miro, VSCode, Jira, ServiceNow
- **Testing & Monitoring:** Jest, Prometheus, Grafana
- **Data & Visualization:** Excel, Tableau, Power BI

Education

Master of Applied Computing

Jan 2024 - Apr 2025

University of Windsor • Windsor, Ontario, Canada

- CGPA: 83.6%

Bachelor of Technology in Computer Science Engineering

Jul 2016 - Aug 2020

Karunya University • Coimbatore, Tamil Nadu, India

- CGPA: 82%

Work Experience

Software Developer Intern

Jan 2025 – Apr 2025

Semper8 International Ltd. • Toronto, Ontario, Canada

- Developed RESTful APIs using NestJS and MongoDB for a real-time communication platform.
- Built a WebRTC signaling server with ICE/TURN config and JWT-based authentication.
- Designed and developed backend architecture supporting WebRTC and VideoSDK workflows.
- Integrated Prometheus and Grafana for monitoring API usage and system performance.
- Collaborated in Agile sprints, performing version control with GitHub and implementing CI/CD using GitHub Actions.

Application Development Analyst

Jan 2021 - Aug 2023

Accenture • Kolkata, West Bengal, India

- Automated user provisioning and access control workflows using Python and GUI scripting, improving operational efficiency across enterprise environments.
- Led the migration of user roles and implemented security logic across 100+ systems during global infrastructure transitions.
- Designed and built internal tools and dashboards for compliance reporting, audit preparation, and access lifecycle management, with integrated unit testing.
- Guided a 2-member team to troubleshoot technical issues, manage incidents, and maintain backend user access infrastructure.

Key Projects

Idea Submission Platform

Sep 2024 - Dec 2024

Rocket Innovation Studio • Windsor, Ontario

- Developed a collaborative platform for a 500-employee company to submit, categorize, and manage ideas, integrating secure login with Node.js and React.
- Designed an idea submission page with search, deletion, and tagging powered by BART NLP models, along with an approvals and drafts system using PostgreSQL.
- Containerized the application using Docker and implemented microservices for scalability.
- **GitHub Link:** <https://github.com/anishjm1998/mind-palace>

Academic Projects

Surplus Resources Donation Platform

Sep 2024 - Dec 2024

University of Windsor • Windsor, Ontario

- Developed a donation platform with Django and React for NGOs to browse and reserve surplus goods, improving donation coordination across 50+ organizations.
- Implemented geolocation functionality with PostGIS to filter donation listings and used Google Maps API to visualize them within a 25-mile radius of Windsor.
- Containerized the app using Docker and configured Nginx as a reverse proxy for load balancing.
- **GitHub Link:** <https://github.com/anishjm1998/samaritan-connect>

Predictive Analysis of Employee Attrition

Jun 2024 - Aug 2024

University of Windsor • Windsor, Ontario

- Built a stacking ensemble model (Random Forest, Logistic Regression, XGBoost) achieving 97% accuracy in predicting employee turnover.
- Applied data pre-processing techniques (data cleaning, normalization, and outlier detection) on 10,000+ data points, to ensure accurate predictions and results.
- Incorporated 10 KPIs, including job satisfaction and compensation effectiveness, into 3 interactive dashboards built with Tableau and Power BI to support HR teams with actionable retention insights.
- **GitHub Link:** <https://github.com/anishjm1998/EmployeeAttritionPrediction>

Certifications

Career Essentials in GitHub Professional Certificate • GitHub

Apr 2024

- **Skills:** GitHub, Version Control.

Agile Project Management Professional Certificate • Atlassian

Mar 2024

- **Skills:** Agile Software Development, Scrum, SDLC, Project Management, Jira.