Manav Chaudhary

FULL-STACK DEVELOPER | AI ENTHUSIAST

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TECHNICAL SKILLS

Languages: Java, Python, C#, SQL, JavaScript, TypeScript, PHP, Visual Basic, HTML/CSS, XML
Frameworks: Angular, React, Node.js, Express.js, Flask, Sping Boot, ASP.NET, JUnit, WordPress, Bootstrap
Developer Tools: Git, Azure DevOps, Figma, Postman, Maven, BrowserStack, Android Studio, Linux
Databases: MongoDB, MySQL, Oracle Database, SSMS, Microsoft Report Builder
ML Libraries: pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow

EXPERIENCE

Jr. Software Engineer Co-op
Government of Ontario - Ministry of Children, Community and Social Services

Jan 2025 – May 2025
Toronto, ON

- Developed the MSN feature using Angular and TypeScript for the MyBenefits portal, enabling **276K+** ODSP clients to request diabetic supplies online and reducing manual processing by **40%**
- Engineered a document upload feature in the MyBenefits portal using Angular and REST APIs, enhancing module-wide file handling and increasing monthly uploads by **34%**
- Released a new version of ods-component (private npm package) by introducing a custom Angular paginator, enabling table navigation across **10+** modules in the MyBenefits portal
- Worked in Agile sprints via Azure DevOps, contributing to CI/CD delivery and team code reviews

Software Developer Intern
Government of Ontario - Ministry of Attorney General

May 2024 – Sep. 2024
Toronto, ON

- Built search/sort functionality and redesigned UI for Deputy Judges Database using React, C#, and SQL, benefiting **200+** internal users
- Enhanced the JPSS app with update/delete features and table calculations using Visual Basic, ASP.NET, and SQL, reducing data entry time by **28%**
- Developed a map tab for the redesigned SCJ site using JavaScript, and Google Maps API to display **50+** court locations with interactive pins and labels, improving user navigation across the province

Peer Tutor
Centennial college

Sep. 2024 – Present
Toronto, ON

- Guided students in C#, Java, Python, and MERN to apply skills in labs and real-world development scenarios
- Tutored Linear Algebra, Statistics, and Calculus to support technical problem-solving and data analysis skills
- Introduced Agile methodologies to help students apply Agile workflows in academic and project settings

EDUCATION

Centennial College
Advanced Diploma in Software Engineering – AI | GPA: 4.35/4.5

Toronto, ON
Expected Graduation, Dec. 2026

Focus Areas: Machine Learning, Data Structures, Algorithms, Object-Oriented Programming, Full Stack Development

PROJECTS

Live Aquaria | *React JS, Three.js, Node.js, Express, MongoDB, Leaflet API, Gemini API*   Nov. 2024 – Dec. 2024

- Built an AI-powered web application that identifies fish species in real-time using Google's Gemini API
- Logged catch details including rarity, geolocation, and date to help users preserve memorable fishing experiences
- Created an interactive 3D aquarium using React and Three.js to display user catches visually
- Integrated Leaflet API to visualize a global fishing map showcasing user catches across regions
- Built a robust backend with Node.js, Express.js, and MongoDB Atlas for secure, scalable data management

Email Spam Detector | *Python, Scikit-learn, NLP, TF-IDF, Naive Bayes*   Oct. 2024 – Nov. 2024

- Built an NLP-based binary classification model to detect spam messages using TF-IDF and Naive Bayes
- Preprocessed and vectorized **5,000+** samples using CountVectorizer; tuned hyperparameters to boost accuracy
- Performed hyperparameter tuning with 3-fold cross-validation to optimize performance, achieving **91%** accuracy