Manan Mehta

Vancouver, BC | 672-855-2312 | mananmehta634@gmail.com | linkedin.com/in/manan | github.com/Manan

EDUCATION

Simon Fraser University — May 2027
Bachelor of Science in Computer Science

- **Relevant Coursework**: Data Structures, Artificial Intelligence, Operating Systems, Software Engineering

TECHNICAL SKILLS

Languages: Python, C, C++, Java, JavaScript, React, Next.js, Node.js, Express.js, HTML/CSS, Bash, Typescript, SQL
Tools: MongoDB, PostgreSQL, Pandas, NumPy, TensorFlow, Git, Linux, AWS S3, Redux, Docker, Linux

EXPERIENCE

Software Developer — January-April 2025
SFU StormForge — *Burnaby, British Columbia*

- Built an AI-powered job application tool as part of the competitive **SFU StormForge** incubator program, receiving guidance from industry mentors and participating in workshops and networking events.
- Increased job-seeking efficiency by **40 percent** by integrating the **JSearch API** to fetch over 10,000 job postings and using the **OpenAI** embeddings with NER to analyze resumes for role-fit with **85 percent** accuracy.
- Enhanced job recommendations by extracting skills and qualifications from resumes and matching them to **20,000+** relevant job listings, offering tailored career suggestions.
- Reduced application time by **30 percent** through a responsive, modern UI built with **React**, **Tailwind CSS**, and **ShadCN UI**, providing seamless navigation and real-time feedback.

Software Developer — September-December 2024
CJSF 90.1FM — *Burnaby, British Columbia*

- Developed responsive homepage and scheduling components in **Next.js**, collaborating with designers using Figma for UI/UX alignment to enhance functionality and visual appeal for a platform serving **1,000+ active users**
- Integrated Strapi CMS to manage user accounts and scheduling data through **RESTful** APIs. Reduced manual data handling by 70% and and supported dynamic rendering of scheduled radio segments
- Designed an interactive Donation using CSS Grid and React components with reusable logic to help streamline user navigation to donation and volunteer pages with the goal of increasing 20% donations by **20%**

PROJECTS

Proshop | *MongoDB, Express, React, Redux, Node, paypal API* — December 2024

- Developed a secure and scalable eCommerce platform from scratch using the MERN stack, implementing **JWT** authentication and **PayPal API** integration to ensure robust user access control and real-time payment processing
- Optimized backend performance by writing efficient MongoDB queries, leading to a **30 percent** improvement in API response times and delivering a smoother user experience.
- Utilized Redux for centralized state management across over **100** product listings, enabling seamless functionality for cart operations, user sessions, and checkout flows within a responsive and intuitive interface.

CloudSync | *Java, Spring Boot, React, AWS S3* — September 2024

- Created a scalable cloud-based file storage system with **AWS S3**, reducing file retrieval latency by **50%**.
- Handled **10,000+** file uploads and retrievals by building a secure, RESTful API with **Spring Boot**.
- Gained expertise in AWS cloud storage, backend API development, and React.js integration with **microservices**.

Bank Churn Prediction System | *Python, pandas, numy, Scikit-Learn, Tensorflow* — May 2024

- Created a Deep Learning model using **Python** and **TensorFlow** to predict customer churn based on geo-demographical and transactional data, achieving an accuracy of **86 percent**
- Engineered features such as **credit score**, customer tenure, and activity status, and applied data preprocessing techniques to optimize model performance.
- Enabled the bank to reduce churn by **20 percent** by ranking customers based on their churn probability, allowing for targeted retention strategies and personalized interventions.