Manan Mehta

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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#, C++ Java, JavaScript, TypeScript, HTML/CSS, SQL, Bash
Frameworks & Libraries: Spring Boot, React, Next.js, Node.js, Express.js, Angular, Pandas, TensorFlow, Jest
Tools & Technologies: MongoDB, PostgreSQL, Git, Linux, AWS S3, Docker, Redis, Kafka, Jenkins
Courses: RedHat Linux system administration 1, Elements of Ai

EXPERIENCE

Software Developer Intern — June-August 2025
Craft Silicon — *Nairobi, Kenya*
- Developed REST APIs using **Javascript** and **SQL** for financial institutions, resulting in streamlined data exchange processes for banking and insurance clients
- Implemented comprehensive testing strategies for payment APIs using **Jest**, reducing production errors by **40%** and ensuring reliability for financial transactions across banking systems
- Utilized **Angular** and **Spring Boot** to make a document viewing portal which will be used by over **50** employees

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.
- Reduced application time by **30 percent** through a responsive modern UI built with **React** and **ShadCN UI**

Software Developer — September-December 2024
CJSF 90.1FM — *Burnaby, British Columbia*
- Developed a 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 supported dynamic rendering of scheduled radio segments
- Designed an interactive Donation page using CSS Grid and React components with reusable logic to help streamline user navigation to donation and volunteer pages with the goal of increasing donations by **20%**

PROJECTS

LibSafe | *Object detector for theft* | ⏻ ⬈ — **Python, vision AI, Flask, React, Twilio**
- Developed a security monitoring system by implementing object detection with Google vision AI and Flask backend, resulting in real-time detection and tracking with **90%+** accuracy for theft prevention in study spaces
- Curated a responsive web application by creating a **React** frontend enabling students to monitor belongings remotely and receive instant alerts within **2 seconds** of detected movement
- Engineered an automated **SMS** alert system using **Twilio** API to instantly notify users via text when monitored objects disappear from camera view

Smart-Journal | *Journal using real-time features and AI* | ⏻ — **Spring Boot, JUnit, Kafka, Redis**
- Crafted a journal application using **Spring Boot** and **JWT** authentication with **95%** test coverage via **JUnit**
- Implemented an intelligent sentiment analysis system with **MongoDB** for journal storage and Apache **Kafka** for event-driven email notifications, automatically sending on a weekly basis
- Enabled distributed caching and messaging architecture using **Redis** improving application performance by **60%**

CloudSync | *File management system* | ⏻ — **Java, Spring Boot, React, AWS S3**
- 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**