

# SAJANDEEP CHEEMA

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## EDUCATION

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**Rutgers University–New Brunswick** – B.S. Computer Science

2022 – 2026

- **Relevant Coursework:** Intro to Computer Science; Data Structures; Computer Architecture; Discrete I; Discrete II; Principles of Information & Data Management; Design & Analysis of Computer Algorithms; Software Methodology; Data Management for Data Science

## TECHNICAL SKILLS

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- **Languages:** Python, Java, JavaScript, TypeScript, C, CSS, HTML, SQL
- **Software & Tools:** React, Node.js, Express, FastAPI, Django, Flask, REST APIs, OAuth2/JWT, TensorFlow, PyTorch, OpenAI API, Multi-Agent AI, Pandas, NumPy, Matplotlib, Plotly, PostgreSQL, MySQL, Supabase, Firebase, AWS (EC2, Lambda, S3), Docker, Kubernetes, Git, Agile

## EXPERIENCE & PROJECTS

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**Software Developer Engineer Intern | Experience**

**June 2025 - August 2025**

*Sentari AI*

Python | FastAPI | OpenAI API | Supabase | AWS | Multi-Agent AI | Machine Learning | Git

- Served as a founding engineer, responsible for architecting and building the company’s core AI engine for response generation using OpenAI’s GPT models and a custom multi-agent framework.
- Designed and implemented a dynamic Supabase database capable of storing evolving user interaction data and leveraging it directly in adaptive response generation.
- Architected and deployed a production-ready backend using FastAPI with authentication, error handling, and CORS, fully managed on AWS infrastructure.

**AI Cyber Threat Detector Logs | Personal Project**

*System log analysis & threat detection app*

Flask | Pandas | Regex | REST APIs | Matplotlib | AWS | TensorFlow | PyTorch

- Developed a Flask web app with REST API endpoints to parse, analyze system logs, and generate structured threat summaries using pandas and regex.
- Implemented AI-driven models in TensorFlow and PyTorch to classify anomalous behaviors and predict security incidents.
- Visualized threat trends with Matplotlib and deployed the application via CI/CD on Heroku.
- Gained expertise in log parsing, backend development, data analysis, and cybersecurity fundamentals.

**Netflix Clone App | Personal Project**

*Netflix-like video browsing application*

React | Vite | HTML | CSS | JavaScript | TMDB API | Firebase

- Built a Netflix Clone App using React and Vite, leveraging the TMDB API to display movie listings and embed video previews.
- Implemented Firebase for user authentication, enabling secure login and sign-up functionality.

## CERTIFICATIONS

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**IBM Full Stack Software Developer**

- Completed a 12-course certification program on Coursera covering Front-end and Back-end development: HTML, CSS, JavaScript, React, Python, Node.js, Express, Docker, Kubernetes, SQL, and best practices for scalable web applications.