Tanay Godse

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EDUCATION

San Jose State University   *San Jose, CA*
Master of Science, Computer Science(GPA: 3.74/4)   *August 2023 – May 2025*

University of Mumbai   *Mumbai, India*
Bachelor of Engineering, Computer Engineering(GPA: 8.87/10)   *August 2017 – June 2021*

TECHNICAL SKILLS

- **Programming Languages:** C, C++, C#, CSS, HTML, Java, JavaScript, PHP, Python, TypeScript
- **Tools and Technologies:** Android Studio, ANTLR, Arduino, ASP.NET, AWS, Bash, Celery, Express, FastAPI, Flask, Git, IIS, JQuery, Jira, JUnit, Linux, Makefile, Node, Postman, React, Selenium, SQLAlchemy, Zend
- **Data and ML Technologies:** Hadoop, HBase, Hive, HuggingFace, Keras, Mahout, Matplotlib, MongoDB, MSSQL Server, MySQL, NLTK, NumPy, Pandas, PyTorch, Redis, SAP Analytics Cloud, Scikit-Learn, Spark, textblob

WORK EXPERIENCE

AI Software Engineer Intern, Fetch.AI, Remote, US   *August 2024 –Present*
Python, FastAPI, LangChain, LLMs, React, Typescript
- Used frameworks like LangChain, LangGraph, CrewAI and leading LLMs (OpenAI, Gemini) to develop AI agents
- Designed and implemented interactive chat interfaces using React and TypeScript
- Developed a comprehensive dashboard to monitor AI agent performance and track key usage metrics

Software Engineer Intern, Moody's, Newark, CA   *June 2024 – August 2024*
Python, PostgreSQL, FastAPI, SQLAlchemy, Github, Celery, Redis
- Designed a priority-based distributed job scheduler framework to improve resource utilization
- Developed RESTful APIs using FastAPI for the job distributor and worker components for job scheduling
- Utilized PostgreSQL and SQLAlchemy ORM to implement a heartbeat mechanism for failure detection and recovery
- Upgraded an internal tool leveraging Celery and Redis, significantly improving its performance and security

Software Developer, Depronto Infotech, Mumbai, India   *July 2021 – July 2023*
PHP, HTML, CSS, JavaScript, JQuery, MSSQL, C#, ASP.NET, Zend, IIS, Git
- Planned and implemented client requirements for a project management application used by over 5000 employees
- Developed key modules like monthly reporting, discussion boards, auto-mailers and cronjobs for daily user sync
- Optimized existing queries and stored procedures by evaluating query execution plans and using indexes effectively
- Implemented server-side pagination improving application load times by up to 50%
- Maintained a Content Management System built using ASP.NET and C# managing 1000s of articles.

Software Engineer Intern, Atos Syntel, Mumbai, India   *May 2020 – July 2020*
Python, SAP Analytics Cloud, beautifulsoup, textblob
- Scraped data using beautifulsoup and performed sentiment analysis using textblob for over 2000 staff reviews
- Created multiple insightful dashboards for data visualization using SAP Analytics Cloud

Software Engineer Intern, NeuroByte Ventures, Thane, India   *June 2019 – August 2019*
Python, Selenium Web Driver, PyOCR, textblob, MySQL
- Scraped Bombay Stock Exchange (BSE) announcements using Selenium Web Driver for over 100 companies
- Implemented OCR and NLP techniques to extract and store data from PDFs in MySQL Database

PROJECTS

JavaScript with Object Capabilities
Java, JUnit, ANTLR, Makefile
- Wrote an interpreter for JavaScript with Object Capabilities using Java
- Wrote parsing rules in ANTLR, unit tests for all the expressions using JUnit and Makefile automating builds

AI Note Taking App
HTML, CSS, TypeScript, Node, React, MongoDB, Express, Python, Flask, HuggingFace, PyTorch
- Developed a smart note taking application that accepts PDF files as input
- Evaluated several approaches for autocomplete such as LSTM, RNN and Transformers using PyTorch
- Added autocomplete feature using TextRank and Trie, and text summarization using DistilBERT from HuggingFace
- Used React, react-pdf-highlighter and TypeScript for the front-end, Node and Express for Backend, Flask to create APIs for summarization and completion and MongoDB to store the notes taken