

ANSHUMAAN TYAGI

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EDUCATION

National University of Singapore

Aug 2021 - May 2025

Major: Bachelor of Computing in Computer Science(Honours)

- Second Major: Data Science.
- Specialisation Track: Software Engineering and Artificial Intelligence.
- GPA: 4.31/5.

TECHNICAL SKILLS

- Proficient languages: Python, Java ,SQL, Javascript, HTML and CSS
- Proficient frameworks/libraries: Pytorch, Numpy, Django, PostgreSQL, React & React Native,Node.js, Sklearn, Firebase, Excel
- Knowledge of: MongoDB, LINUX/UNIX administration , R, Azure Open AI, GPT prompting, embeddings, Spacy

WORK EXPERIENCE

AI Developer, SAP, Singapore

Jan 2023 - Present

- Integrating GPT powered by Azure Open AI endpoints in the current pipeline to perform parsing of PDF documents.
- Improving GPT response efficiency by 5 percent and data security.
- Utilized different prompting techniques such as RAG and chain of thought to minimize AI hallucinations.
- Competed regular bimonthly sprints and planned work product on JIRA.
- Learned more about SAP product's applications and implementation frameworks.

Data Engineer Intern, Real Estate Analytics, Singapore, Singapore

Aug 2023 - Present

- Extract, transform, and ingest real estate data from different sources and create workflows on Apache Airflow.
- Build a robust program for data extraction with various queries leveraging restful API and GraphQL, and GUI scraping bots using selenium.
- Collaborated with data engineers in building efficient data pipelines using DBT, AWS etc.

Full Stack Developer, ST Engineering, Singapore

May 2023 - Jul 2023

- Designed Backend Architecture using UML Diagrams on Lucid Chart, involving extensible and intuitive design patterns suited to the application.
- Implemented OSI Network Layer influenced Serial Protocol using C# and .Net libraries.
- Connected Backend architecture with User interface with C# and WPF.
- Studied industrial application of SQL database use cases and it's deployment.

Student Teaching Assistant, Programming Methodology I, II, National University of Singapore

Aug 2022 - May 2023

- Nominated for Teacher's awards by 5/7 students and achieved a teacher's rating of 4.7/5, where faculty average is 4.5.
- Made NUS computing Honour List for Student Tutors in AY2022-2023 for excellence in teaching and contributions to learning at NUS.

Software Engineer(Backend Developer), NUS CommIT, Singapore,Singapore

Sep 2021 - May 2022

- Utilized Python, Django, Djoser etc. to design server applications and client interfaces.
- Handled development and management of frontend user interfaces with the help of HTML, CSS, and JavaScript.

- Collaborated with other developers to handle complicated issues related with deployment of Django based applications.

PROJECTS

Full Stack Engineer, Orbital (2022), Level Of Achievement :

May 2022 - Aug 2022

Artemis(Highest Level Possible)

- Designed, developed, tested and deployed mobile applications using React Native, Firebase and cloud firestore.
- Created a proposal with proper project development planning (Eg. Database Schema, UML Designs, etc) using Lucid Chart, swagger.io, etc.
- Implemented Google Firebase Cloud Firestore and Authentication to provide database and authentication services to application.
- Accomplished frontend design using Figma and executed using React Native, including pagination, routing using stack navigation, and live communication with firestore.
- Performed user testing , system integration testing and regression testing to test application functionality and cross-platform performance.