

Gnanadeep Settykara

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Portfolio: <https://gnanadeep-settykara.github.io/Portfolio/>

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GitHub: <https://github.com/Gnanadeep-Settykara>

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, R, HTML, CSS, JavaScript (ES5/ES6), TypeScript, Tailwind CSS
- **Frameworks & Libraries:** Scikit, NLTK, PyTorch, TensorFlow, **Node.js**, Express.js, **React.js**, Bootstrap, **GraphQL**, Flask, FastAPI, JSON, Qt, React Native, Pandas, seaborn, Mongoose
- **Database:** **SQL (Structured Query Language)**, MySQL, MongoDB, PostgreSQL, NoSQL
- **Tools:** GitHub, Git, Spreadsheets, **Microsoft Excel**, RStudio, Jupyter Notebook, Visual Studio Code, PyCharm, Docker, Linux, Windows, Jira, Taiga, **Tableau**
- **Areas of Interest:** Data Analytics, Full-stack development, **Machine Learning**, Artificial Intelligence, Deep Learning, Generative AI, LLMs, NLP, Prompt Engineering, **CI/CD**, Cloud Platforms (**AWS**, **Azure**)

EXPERIENCE

WALLERO TECHNOLOGIES, INC

Software Development Engineer Intern

Bellevue, WA

May 2023 - August 2023

- **Developed** a custom speech-to-text transcription module by using the **Microsoft Azure Speech SDK**, leading to a 30% reduction in overall processing time, measured in seconds, streamlining interview processes.
- **Integrated** a sophisticated answer matching algorithm, by utilizing **Google's BERT** embeddings to enhance contextual understanding, resulting in a 25% improvement in identifying key information. Employed **agile** and **scrum** working methodologies using **JIRA**. Executed the **SDLC** life cycle.
- **Collaborated** with a **cross-functional team** to develop an AI-powered chatbot using LSTM architecture, including NLTK & the **Tensorflow** Framework. Reduced response time for candidate inquiries by 30%.
- **Deployed** the chatbot as a containerized application using **Azure Kubernetes Service (AKS)**, achieving 99.9% uptime, and optimizing resource costs by 30% through efficient scaling.
- **Implemented** a comprehensive continuous integration and deployment (**CI/CD**) pipeline, examined Pull requests (PRs), conducted thorough code reviews resulting in a 50% reduction in deployment time.

ARIZONA STATE UNIVERSITY

Data Analyst (Student Verifier)

Tempe, AZ

October 2022 - May 2023

- **Ensured** the best data practices were followed by asking **SMART** questions, resulting in 99% effective analytical insights using Google Sheets, Tableau.
- **Established** clear communication with stakeholders to understand business requirements, resulting in a 20% increase in the accuracy of key performance indicators (**KPIs**) used in data-driven decision-making.

PROJECTS

- **EVENTSNAP** (MongoDB Atlas, Express, GraphQL API, React, Node.js) ([link](#)): Built an event booking full-stack app using MERN stack, GraphQL API ensuring a seamless experience in data querying by 40%.
- **GAME OF GOALS** (TypeScript, Vite, localStorage, Microsoft Designer) ([link](#)): Engineered a Game of Thrones themed To-do List in TypeScript, ensuring 100% self-satisfaction.
- **PREDICTION OF SOLAR ENERGY GENERATION** (Python, Pandas, LSTM, TensorFlow, Keras, Flask): Designed an LSTM-based **predictive modeling** web application to forecast solar energy at Vignan's University, achieving 90%+ accuracy. Optimized maintenance strategies, boosting panel efficiency by 15%, and saving **INR 30,000** monthly.
- **PENNYWISE** (Python, PySide6, Qt, SQLite, Matplotlib) ([link](#)): Engineered a highly efficient desktop Expense Tracker application, integrated with a dynamic chart plotting using Matplotlib, resulting in 30% faster data extraction and a 40% reduction in **CRUD** operation times.
- **CODEHUB** (Node.js, Express.js, WebSockets, React, JavaScript, HTML, CSS) ([link](#)): Designed Code-hub, a browser-based collaborative coding platform with syntax highlighting and multi-language support. Built back-end using Node.js and Express.js, resulting in 99.9% uptime.
- **QTrip** (Front-end, Back-end, Database, Webpack, localStorage, Bootstrap, Netlify, REST) ([link](#)): Created a travel website offering diverse adventures using RESTful API, HTML, CSS, and JavaScript, resulting in a 20% improvement in user engagement and interaction.

EDUCATION

ARIZONA STATE UNIVERSITY

- *Master of Science; Major in Software Engineering; GPA: 4.0/4.0*

Tempe, AZ

August 2022 - May 2024

Courses: Advanced Data Structures and Algorithms, Data Science for Software Engineers, Foundations of Software Engineering, Software Project, Process & Quality Management, Software Requirements & Specifications, Mobile Systems

VIGNAN'S FOUNDATION FOR SCIENCE TECHNOLOGY AND RESEARCH

- *Bachelor of Technology - Major in Computer Science & Engineering; GPA: 9.86/10*

Vadlamudi, India

July 2018 - June 2022

CERTIFICATIONS & PUBLICATIONS

- **Google Data Analytics Professional:** Competent in data analysis, data cleaning, data visualization, data-driven decision making and tools including spreadsheets, SQL, Tableau, and R. ([link](#))
- **Breast Cancer Classification using Big Data Tools:** published by IJERT; Volume 11, Issue 02 (February 2022). Tech: Python, Logistic regression, random forest classifier, gradient boosting classification algorithms, Apache spark ([link](#))