

G. Sai Sankeerth

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• <https://github.com/sankeerth-itachi>

SUMMARY

Proficient in developing scalable web and software applications using full-stack technologies and cloud platforms like AWS. Experienced with EC2, S3, DynamoDB, Athena, Lambda, and Cognito for deploying and securing applications. Familiar with Agile methodologies, SDLC processes, and client-centric development workflows.

EXPERIENCE

Cantilever Labs, ML Intern

Efficient machine learning algorithms were implemented in order to enhance the precision of the recommendation, to have 90% accuracy in recommending comparable anime titles. Simplified calculations between datasets with over 30,000 distinct titles, enhancing processing efficiency by 30% and runtime by about 2 hours per week. Applying cosine similarity models to properly compare and suggest content, enhancing user engagement rates by 25%.

PERSONAL PROJECTS

AdaptX, AI Game

- Developed a suspense-driven game where players evade an AI ghoul that uses a simplified Markov Decision Process to predict player paths and line-of-sight (LOS) rules to trigger chase behavior.
- Implemented adaptive difficulty, trap-setting logic, and dynamic pathfinding to create an intelligent, reactive enemy for enhanced gameplay experience.

Medimate

- Developed Medimate, an interactive personal health assistant web application integrating algorithm-driven data management, visualization, and task scheduling.
- Designed and implemented core algorithms for health information organization, prescription parsing, and routine tracking with minimal external AI dependency.
- Integrated selective AI functionalities for OCR-based prescription analysis, visual generation of medical processes, and real-time data retrieval.
- Delivered a unified, conversational interface combining intelligent automation and user-friendly interaction to simplify personal health management.

DTA Bingus: AI Desktop Assistant for easy accessibility

- Developed a desktop assistant to manage and maintain daily tasks. This allows users to keep their time on what they really want. Made a presentable UI and an extravagant UX of a Bingus cat floating on the desktop screen ready to assist.
- Used python modules Toolkit interfaces to create a floating window that runs when the operating system is booted.
- Bingus can automatically take screen shots, analyze and suggest the best triggers for the quick assistance.

EDUCATION

Geethanjali College of Engineering and Technology Affiliated by JNTUH, (HYD)

B.Tech in Computer Science and Engineering - Artificial Intelligence and Machine Learning • Sep 2023 -Present

CGPA: 8.15

Vemuganti Manohar Rao Polytechnic College,(Warangal)

Diploma in Computer Science Engineering • 2020 - 2023

Sri Chaithanya E-Techno School, (WGL)

Secondary School Certificate(SSC) • 2016 - 2020

SKILLS

Languages:

- Python – Proficient in data structures, OOPs, file handling, REST APIs; used in ML projects and scripting.
- JavaScript – Strong grasp of ES6+, async/await, DOM manipulation; used in frontend & backend apps.
- Java – Intermediate; practiced in competitive programming and DSA. SQL – Good understanding of joins, queries, subqueries, and optimization.

Frontend:

- React.js – Built multiple SPA projects; experience with hooks, routing, state management (Context API).
- HTML5, CSS3, TailwindCSS – Responsive design, Flex/Grid layouts, cross-browser compatibility.

Backend:

- Node.js + Express.js – Created REST APIs, JWT authentication, file uploads, and middleware integration.
- MongoDB – Designed schemas, performed CRUD operations, indexing, and aggregation pipelines.

AI/ML:

- **Machine Learning & AI** – Implemented models using scikit-learn, pandas, NumPy. Worked on classification, regression, and recommendation projects.
- **TensorFlow** – Used for basic neural networks and experimentation in deep learning projects.

Cloud & DevOps:

- **AWS:** Hands-on experience with EC2, S3, DynamoDB, Athena, Lambda, Cognito, IAM, CloudWatch, RDS, VPC, and CloudFront for deploying, securing, and scaling full-stack applications.
- **Git & GitHub:** Proficient in version control using Git, including branching, pull requests, conflict resolution, and collaborative workflows with GitHub.

Concepts:

- **Agile Methodologies** – Worked in sprints, used JIRA/Trello for task tracking.
- **SDLC** – Understand stages from requirements to deployment.
- **Problem Solving** – 150+ problems on LeetCode, strong logic-building and DSA fundamentals.
- **OOPs** – Deep understanding of classes, inheritance, polymorphism, encapsulation

Certifications

- **AWS Certified Cloud Practitioner – Amazon Web Services**

Completed: Oct 2025 Validation ID: 31af0b5706e4ee5b7843a63c06fc243

- Gained foundational knowledge of AWS services: EC2, S3, DynamoDB, Athena, Lambda, IAM, VPC, CloudFront.
- Understood global cloud infrastructure, pricing models, and security best practices.

- **Deep Learning Specialization – Udemy**

Duration: 2 Months (Self-paced)

- Learned core deep learning concepts: neural networks, activation functions, backpropagation.
- Implemented feedforward networks, CNNs, and basic RNNs using TensorFlow/Keras.
- Understood hyperparameter tuning, dropout, and early stopping for model optimization.

- **Data Structures & Algorithms (DSA) – ZTM Academy**

Duration: 1 Month (Self-paced)

- Mastered fundamental data structures: arrays, linked lists, stacks, queues, trees, graphs.
- Practiced sorting/searching algorithms, recursion, dynamic programming, and greedy algorithms.
- Solved problems in C++ and JavaScript, building strong coding and problem-solving intuition.

- **PCEP – Certified Entry-Level Python Programmer**

Duration: 2 Months (Self-paced)

- Validated foundational knowledge of Python 3, including variables, data types, loops, functions, and modules.
- Gained clear understanding of code structure, basic I/O operations, and built-in exceptions.
- Certification by Python Institute ensures adherence to coding best practices.

- **Python (Basic) – HackerRank Certification**

Duration: 1 Month (Self-paced)

- Demonstrated practical understanding of Python syntax, logic, and standard libraries.
- Solved problems using loops, conditionals, list comprehensions, and string manipulation.

HONORS & AWARDS

Hackathon winner Geethanjali College of Engineering and Technology

- Attended and won hackathon on ai and ml technologies.
- AdaptX is a thrilling horror game where players must collect keys while avoiding a roaming ghoul that hunts them on sight. The game challenges players to use strategy and quick reflexes to survive and progress through increasingly tense levels.

Ideathon winner Geethanjali College of Engineering and Technology

- Attended and won Ideathon on ai and ml technologies.
- Stealth tech is an AI based idea for the military jets which are needed to be hidden when flying over the zoned territories. Stealth Tech ensures the jet is well hidden and covered with the background using AI environment absorption.

Declaration: I hereby declare that the above-mentioned information is true to the best of my knowledge and belief.

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