

SHUHAM KUMAR PANDIT

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Education

Vignan's Foundation for Science, Technology and Research, Guntur

10/2021 – 07/2025

Bachelor of Technology in Computer Science and Engineering (GPA: 8.28 / 10.00)

- **Relevant Coursework:** Python Programming, Data Structures, Object Oriented Programming, Operating System, Database Management System, Computer Organization and Architecture, Design and Analysis Of Algorithm , Computer Networks , Theory of Computation, Compiler Design, Advanced Java Programming, Web Technology, Artificial Intelligence, Data Mining, Software Engineering

Projects

Hospital Management System | *JavaSwing* Code

08/2022 – 12/2022

- Implemented features for patient registration, doctor availability, and online appointment scheduling, reducing manual workload by 40%.
- Secured and managed sensitive data, ensuring data privacy and compliance.
- Created an intuitive interface that improved patient satisfaction by 30% and streamlined hospital operations.

AI Desktop Voice Assistance | *Python, Speech Recognition, pytsx3* Code

01/2024 – 05/2024

- Developed a responsive desktop assistant capable of recognizing voice commands and executing tasks efficiently.
- Designed to handle concurrent tasks such as scheduling appointments, retrieving information, and managing reminders seamlessly.
- Integrated advanced NLP techniques to interpret and respond to user commands accurately.

Technical Skills

Languages : C, C++, Python, Java

Web Development : HTML, CSS, JavaScript, ReactJS, NodeJS,

Machine Learning and Data Science : TensorFlow, PyTorch, scikit-learn, Keras, Pandas, NumPy

Databases: MySQL, MongoDB

Cloud: Amazon Web Services (AWS)

Developer Tools : VS Code , Git, Github

Operating System : Windows, Unix/Linux

Areas of Interest: Competitive Programming, Software Engineering, Software Design, Full-stack Development, Artificial Intelligence, Machine Learning, Natural Language Processing, Research, Gen AI, Large Language Models(LLM)

Achievements

- **Leetcode :** Contest rating of **1564**; solved over **280+ DSA** problems. [Link](#)
- **CodeChef :** Highest Rating of **1548**, solved over **600+** problems. [Link](#)
- **Geeksforgeeks :** Solved **180+** problems [Link](#)
- **Codeforces** Newbie on with maximum rating of **993**. [Link](#)
- Qualified in **GATE 2024**.
- Earned **4-star** badge in C and Problem Solving on **HackerRank** .
- Awarded Yellow Belt in **Taekwondo** by the **Indian Taekwondo Union**.

Positions of Responsibility

Teaching Assistant, Object-Oriented Programming Systems (OOPS), Mentorship to junior students in oops concept.

Lead Coordinator, TCS Placement drive at VFSTR (Vignan's Foundation for Science, Technology Research) .

Student Coordinator at VFSTR, Volunteered for Mahosthav, Utsav, and Srujanankura events.

Courses and Certifications

- **AWS Certification:** AWS Certified Cloud Practitioner.
- **Gold Certification in Smart Interview** in Data Structures and Algorithms (DSA).
- Acquired B2 level Certification in Preliminary English Test by University of Cambridge.
- **Modern C++ Programming:** Certified by NPTEL in Programming in Modern C++.
- Certified by NPTEL in **Leadership and team effectiveness**.