

KOMAL SINHA

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EDUCATION

DY Patil School Of Engineering And Technology

B.Tech - Computer engineering - CGPA: 9.05

November 2021 - June 2025

Pune, Maharashtra

Secondary D P S

AISSCE - PCM - Percentage: 78.6%

April 2019 - May 2021

Gaya, Bihar

Hansraj Public School

AISSE - PCM - Percentage: 89.4%

April 2009 - March 2019

Gaya, Bihar

TECHNICAL SKILLS

Languages: C++, Python, HTML, CSS, JavaScript, SQL.

Frameworks & Technologies: REST APIs, Git, GitHub, Postman, ReactJs, AWS.

Operating Systems: Linux-Unix, Windows.

CS Fundamentals: DSA, Computer Networks, OOPs, Cloud Computing, OS, Agile methodology/SDLC, DBMS.

EXPERIENCE

DY Patil University

Coders Club Coordinator

Oct 2023 – May 2024

Pune, Maharashtra

- Led **10+ coding workshops and 3 hackathons**, boosting engagement by **50%**, upskilling **200+** students, and **documenting** event reports as coordinator.
- Aimed for **2x** student participation and improved coding proficiency for **200+** students via hands-on coding exposure.
- Optimized planning, budgeting, and tracking achieved **90%** attendance and ensured **100%** reporting.

Amdocs (InUnity)

Innovation Project Intern (Socio-Make-A-Thon)

Jan 2023 – Jun 2023

Pune, Maharashtra

- Spearheaded the development of an internal tool for tracking **temperature and humidity** in the **Onion Storage System**, enabling real-time data monitoring and editing, resulting in a **25%** reduction in onion spoilage during storage.
- Constructed Arduino programs with **BLYNK, DHT11, and ESP8266** for data sensing and computations.
- Tech Stacks: **C++, Figma, Arduino, BLYNK cloud.**

PROJECTS

Alumni Association Platform | Python, Streamlit, Artificial Intelligence | [Source Code](#)

Mar 2025

- Built a cross-device alumni platform for **100+ users** with registration, networking, and updates access.
- Implemented **secure, role-based** login for students, alumni, and admins, reducing login-related support tickets by **40%**.
- Integrated an **AI assistant** for real-time support, increasing engagement by **35%** and reducing response time by **60%**.

Parkinson Disease Detection | Python, Scikit-learn, TensorFlow, Matplotlib | [Source Code](#)

Jun 2024

- Developed a **machine learning** model in Python for Parkinson's disease detection using Scikit-learn and TensorFlow.
- Applied advanced data pre-processing and feature selection to optimize performance and reduce processing time by **89%**.
- Achieved **91% accuracy** across multiple clinical datasets, improving diagnostic efficiency and model reliability

Sorting Visualizer | HTML, CSS, Javascript, Sorting Algorithms | [Source Code](#)

Dec 2023

- Worked on an interactive Sorting Visualizer, showcasing **5+** sorting algorithms in real time.
- Targeted to **simplify algorithm learning** through visual, hands-on interaction.
- Designed UI with **3+ features** (array control, speed, algorithm select) and supported custom arrays up to **100** elements.

ACHIEVEMENTS

- Earned **semester topper position** in 7th semester with a **9.80 CGPA**.
- Recognized with the **Best Research Paper Award** on Research Scholar Day, hosted by DYPU.

POSITION OF RESPONSIBILITIES

- **DYPU Antarang:** Crafted the event theme and created **eye-catching** posters to promote the event.
- **IT Colloquium Project Expo:** Managed the **project exhibition**, ensuring smooth organization and engagement.
- **Spot Photography Coordinator:** Planned the Spot Photography event and led a team of volunteers.