

Satwik Pandey

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EDUCATION

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

B.TECH IN COMPUTER SCIENCE
May 2025 | Noida, India
College of Engineering
Curr GPA: 7.5 / 10

CAMBRIDGE SCHOOL NOIDA

Grad. May 2021 | Noida, India
Science with Maths
XII - 90 %
X - 92 %

LINKS

Github:// [satwik2711](#)
LinkedIn:// [Satwik-Pandey](#)

COURSEWORK

UNDERGRADUATE

Data Structures
Algorithms and Problem Solving
Theory of Fundamentals of Computer Science
Database Management Systems
Software Development Fundamentals
Fundamentals of Computer Security
Computer Organisation and Architecture
Operating Systems

SKILLS

PROGRAMMING

Over 5000 lines:
HTML • CSS • JavaScript • Python
Django • MySQL • Git • Postman
Over 1000 lines:
C • C++ • Matlab • PHP • Assembly •
Jenkins
Familiar:
Android • Node

RESEARCH

Tools:
GIT • Github • Weights and Biases
Research:
Literature Surveys • Data Analysis •
Paper Implementations

SOFT SKILLS

Problem Solving • Leadership • Teamwork
• Resource and Time Management

EXPERIENCE

TECH MAHINDRA | STUDENT TRAINEE

June 23 - Sept 23 | Doha, Qatar
Contributed to **Google Cloud Platforms'** Apigee gateway projects by **developing API proxies using Apigee**, additionally I gained insights into the architecture and operational necessities of the telecom sector.

CRIB | SOFTWARE ENGINEERING INTERN

June 22 - June 23 | Remote
Building **RESTful APIs** using **Django** and **Django Rest Framework** that serves data to the Kotlin and Swift frontend that handled over **10,000** concurrent users.

RESEARCH WORK AND PROJECTS

EEG BASED STUDENT EMOTION DETECTION | BCI | RESEARCHER

Collaborating with **Dr Suma Dawn** on BCI by using **EEG based neurofeedback** to monitor your brain waves and based on sensor data monitor your **affective states** including stress, focus, and mood levels.

MEDICAL COUNSELLING WEBSITE | HCI | LNMIIT'S UNDERGRAD SUMMER INTERN PROGRAM

In collaboration with **LNMIIT's faculty**, designed and developed a Medical Counselling Website prioritizing **human-centered design principles**, providing an easy to use UI for senior citizens to receive aid for their medical condition backed by experts, without being misled by the vast confusing medical data available on the internet.

COGNITIVE IMPAIRMENT DETECTION | RESEARCHER

Collaborating with **Dr Suma Dawn** on developing a **single digitized test** for detection of dementia symptoms ranging from mild cognitive impairment to later stages of Alzheimer's.

ENVIRON.EARTH | HACKIN-WINTER'22 WINNER

Created an algorithm to calculate the **"green-index"** of organizations and countries, monitoring their progress and development on their approach towards the goal of **Net Zero**.

GREENOVATE

Building a Comprehensive sustainability software for organisations, allowing them to **Measure**[Insights on net MTCO2E caused by each factors of their business], **Manage**[Get personalised actionable insights for them to limit their emissions] and **Report**[Streamline the sustainability reporting process]

KRISHI SEWA | FINISHED TOP 3 OSDC HACK

Developed an **all-in-one solution for farmers**. Enabled farmers to explore profitable marketplaces based on mandi prices on different parts of the country and provided ML backed tools such as crop prediction and disease identification to enhance production and yield.

THE ARTISANS | HACKIN-SUMMER'22 WINNER | QUALIFIED FOR SIH'22

Developed a platform **specifically tailored for artisans**, a group that often includes individuals less familiar with digital technology, to list their products and scale their business to new unexplored heights