Sunkara Venkata Sai Manohar

Roll No.:210102106
B.Tech - Electronics and Communication Engineering
Minor in Computer Science and Engineering
Indian Institute of Technology, Guwahati

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.84 (Current)	2021-Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	8.50 (Current)	2022-Present
Senior Secondary	CBSE Board	95.2%	2021
Secondary	CBSE Board	96.6%	2019

PROJECTS

- **Movie Database Application** — *Dec. 2022 - Jan. 2023*
  Personal Project — Github
  – Developed a mobile application that lists the latest, trending, and top-rated films and TV shows, along with their title, release date, and description. It also allows users to search for their favourite shows and films.
  – The framework used for this is **Flutter**. It is connected to **Firebase** for authentication and uses **TMBD API** to fetch results.
- **Expense Tracker Application** — *May. 2023 - Jun. 2023*
  Personal Project — Github
  – Developed a mobile application that tracks the income and expenses of a person and displays their list of transactions. It also displays daily, weekly, monthly, and yearly charts of spend analysis.
  – The framework used for this is **Flutter**. It uses **Hive** for local storage of data and **syncfusion flutter charts** for displaying spend analysis.
- **Inverse Matrix Calculator** — *May. 2020 - July. 2020*
  Personal Project — Github
  – Developed a **Python** project that computes the determinant and inverse of 3x3 matrix using co-factors method.
  – It has UI elements from the **Tkinter module** for entry boxes, a calculate button and display of output/errors.

TECHNICAL SKILLS

- **Programming**: Python, C, C++
- **App Development**: Flutter, Kotlin*
- **Database Management**: MySQL, Firebase
- **Tools/Frameworks**: OpenCV*
- **Operating Systems**: Windows, Linux*
- **Miscellaneous**: Verilog*

* Elementary proficiency

KEY COURSES TAKEN

- **Mathematics**: Linear Algebra, Differential Equations, Complex Analysis, Probability & Random Processes
- **Computer Sciences**: Data Structures and Algorithms, Theoretical Foundations of Computer Science
- **Electrical and Electronics**: Digital Circuits, Signals and Systems, Control Systems
- **App Development**: First Steps to Flutter

ACHIEVEMENTS

- **Rank 1**, Engineering Physics, 1st Year B.Tech, and awarded Branch Change for Academic Excellence — *2022*
- **Rank 480**, out of 15261, CodeChef Starters 54 Div 4 — *2022*
- **3rd Position**, Spark Junior Conference, IIT Madras — *2020*
- **JEE Advanced 2021: All India Rank 9034**, out of 0.15 million students — *2021*
- **AP EAPCET 2021: Rank 806**, out of 0.16 million students — *2021*
- **Top 1.5% Students All India**, KVS, AISSE, Rank 20 out 4350 students in Andhra and Telangana — *2019*

POSITIONS OF RESPONSIBILITY

- **Undergraduate Senator**, Students' Gymkhana Council, IIT Guwahati — *Mar. 2023 - ongoing*
  – Elected as the Undergraduate Senator at Student Gymkhana Council which involves several committees that deal with the improvement of campus and represents the issues of students to the administration.
- **Academic Representative**, Cepstrum, IIT Guwahati — *Aug. 2022 - July. 2023*
  – Worked towards collecting academic resources for the current as well as upcoming batches.
- **Branch Representative**, Engineering Physics, IIT Guwahati — *Feb. 2022 - July. 2022*

EXTRA-CURRICULARS

- **Mentor**, Saathi Cell, IIT Guwahati - Mentoring five first-year B.Tech students. — *Jan. 2023 - Jun. 2023*
- **1st Position**, Dvand, Inter-Hostel Debate Competition — *Sahyog 2022-23*
- **Sr. Executive**, Prayatna, IIT Guwahati's Annual Socio-Welfare fest — *Feb. 2023*
- **Core Team Member**, Social Service Club — *Jan. 2023 - ongoing*