Ankit Josh

Bachelor of Engineering
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EDUCATION

• **Sir M. Visvesvaraya Institute of Technology, Bengaluru** *Dec 2021- Jun 25*
Bachelor of Engineering in Electronics and Communication Engineering CGPA: 8.33

PROJECTS

• **Bookmarks**

A website that lets users bookmark and share images.

- Developed an advanced bookmarking platform with Django, integrating secure user authentication and encryption; improved user retention by **25%** and safeguarded data integrity with **99.9%** uptime.
- Optimized user-follow system and activity stream with advanced QuerySets, leading to a **15%** increase in user engagement.
- Implemented Redis for real-time analytics, enhancing ranking algorithms, which led to a **20%** reduction in page load times and a **30%** boost in user engagement.
- Technology Used: **Python**, **Django**, **JavaScript**, **Redis**, **PostgreSQL**, **Nginx**, **Gunicorn**

•**Hang-Movie-Man**

Hangman game to guess movies.

- Designed a hangman-style game to guess movie names from a local SQLite database and display movie summaries.
- Implemented addition of new movies to the database using the IMDb API, performing validity checks to ensure data accuracy.
- Technology Used : **Python**, **IMDBpy**, **SQLite**.

• **PassBot**

A simple,easy to use password manager that can be used to store important credentials.

- Stores users' credentials in an encrypted file, using a master password for encryption and decryption.
- Implemented password generation and file encryption/decryption using the Fernet module, increasing security for user data.
- Technology Used : **Python**, **Fernet**

SKILLS

Programming Languages: C++, Python, Java, JavaScript
Libraries : C++ STL, Various Python Libraries
Web Dev Tools: Vim, Tmux , VScode, Git, Github
Frameworks: Django, Flask
Cloud/Databases: Redis, PostgreSQL, DigitalOcean, Oracle Cloud
Relevent Coursework: Data Structures & Algorithms, Operating System, Database Management System, Object Oriented Programming, Computer Networks
Areas of Interest: Competitive Programming, Web Development, System Design

POSITIONS OF RESPONSIBILITY

• **Community Leader** TechHub and GLUG *Oct 2022 - Present*

- Taught and mentored **100+** students, leading to a **30%** increase in club membership and a higher engagement in technology workshops.
- Directed end-to-end execution of **15+** events, demonstrating effective team coordination and delivering cost savings

ACHIEVEMENTS

• **ICPC Regionalist :** Qualified for ICPC Regionals 2023-24 by ranking **277** out of **3350** teams *2023*
• **Knight @ LeetCode | Profile Link :** Contest Rating **(1923*)** | Amongst **top 4%** of all users *2023*
• **Specialist @ CodeForces | Profile Link :** Contest Rating **(1415*)** | Amongst **top 10%** of all users *2024*
• **3 star @ CodeChef | Profile Link :** Contest Rating **(1722*)** | Amongst **top 6%** of all users *2023*
• **Meta Hacker Cup 2023 Qualified to Round 2 | Certificate :** Ranked **5023** out of **20324** in Round 1 *2023*
• **Meta Hacker Cup 2022 Qualified to Round 2 | Certificate :** Ranked **3125** out of **12330** in Round 1 *2022*
• **1st Prize** winner in competitive programming contest at Sir MVIT's Electrogreen Tech fest *2022*
• **1st Prize** winner in competitive programming contest at Sir MVIT's Verve Code Event *2022*