Akarsh Pandey

Portfolio: techocrat.tech
Github: https://github.com/Techocrat
LinkedIn: https://www.linkedin.com/in/akarsh-pandey-238b471b0/

Email: akarshpandey9599@gmail.com
Mobile: +91-9599362445

EDUCATION

- **Indian Institute of Information Technology, Kottayam.** — Kerala, India
  Bachelor of Technology - Computer Science and Engineering; GPA: 7.7 — *Dec 2020 - Aug 2024*

- **ST. Joseph's Academy** — Ghaziabad, Uttar Pradesh
  ISC Board: Aggregate 96 — *March 2018 - Aug 2019*

- **ST. Joseph's Academy** — Ghaziabad, Uttar Pradesh
  ICSE Board: Aggregate 91 — *March 2016 - March 2017*

SKILLS SUMMARY

- **Languages:** C , C++, Java , Python, PHP, HTML, CSS , JavaScript, SQL
- **Frameworks:** FastApi , Django , NodeJs, ExpressJs , React JS , Numpy, web sockets, socket.io
- **Tools and Platforms:** Github , GIT , Windows , Hostinger , Heroku , Vercel
- **Databases:** MySQL , MongoDB , Firebase , Elastic Search

PROJECTS

- **BigSy- (Smart India Hackathon 2022 Winner):**

  A unified form of web application software that can search text (numeric, alphanumeric, alphabetic) or word within any format of data/file such as jpeg, png, pdf, word, excel, SQL , audio files and other formats/proforma which also includes interconnectivity with predefined key word within **Madhya Pradesh Police** database. Link to **frontend**. Link to **backend**.

  Tech used: FastApi, Elastic Search, ReactJs, Vision API , speech recognition.

  Role: Explored and implemented elastic search to get fast query time (200ms) on bulk data (approx 1.6 million documents) including textual, numerical, geospatial, structured, and unstructured. Worked on fronted part of the software using ReactJs.

- **CIRCLE:**

  A social networking application that allows users to signUp , login, create posts, like posts, add friends, remove friends, add comments and view other users. The app uses JWT authentication to protect against unauthorized access and bcrypt for password hashing.

  Tech used: NodeJs, MongoDB, ExpressJs

- **partnersInCrime:**

  A web platform specially designed for IIIT-K students which aims at facilitating smooth interaction between the college-mates regarding all the collaborative projects and hackathons held on various platforms.

  Tech used: ReactJs, Django, MongoDB, Firebase.

  Role: I worked on both **backend** and **frontend** part, made auto-complete search bar, APIs to search users in the database on the basis of their names and skills, contributed to the UI part by designing and creating landing and developer info pages.

- **Mongoment:**

  An application for user profile management, with functionalities such as add admin, update admin, view admin, add user , update user, view user. User gets access to these functionalities on the basis of his role. Login logs of the users are saved in a seperate collection using socket.io. Update logs are stored in a seperate collection, which includes old field values and updated field values.

  Tech used: NodeJs, MongoDB, ExpressJs, socket.io

ACHIEVEMENTS AND EXPERIENCE

- Won **Smart India Hackathon 2022** for problem statement AT980 (Big data search) proposed by Madhya Pradesh police.

- **AIR-80** out of approx 8000 registered candidates in Codathon (Inter- NIT coding competition organised by MANIT Bhopal) - 2022

- Mentor at **Wildbeats** (Cultural club, IIIT K), which handles music, art, dance, drama and all cultural events held in the campus all round the year.