AKSHAT GUPTA

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With a passion for backend development, I excel in various technologies and am a leader, team player and quick learner. Proficiency in several languages like Go, NodeJS and Python has helped me gain exposure to the world of backend. Seeking opportunities to broaden my expertise and grow my skill set.

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY   **VELLORE, INDIA**
Bachelor of Computer Science and Engineering   July 2022 – July 2026
- **CGPA:** 9.14

R.N. PODAR SCHOOL   **MUMBAI, INDIA**
Physics, Chemistry, Math, Computer Science   April 2018 – April 2022
- **Class 12:** 92%.

WORK EXPERIENCE

GOVGPT (Trademarkia)   **REMOTE**
Backend Developer Intern   January 2024 – Present
- Working for a US-based company, which is developing various applications for the US police and government bodies. Developed the backend using Flask and GoLang, using Timescale DB as the database and OAuth2.0 for user authentication.
- Converted GraphQL database logic from NodeJS to GoLang.
- Developed a program which filters PDFs containing multiple emails along with hyperlinks into separate entities.
- Maintained and upgraded the legacy codebase written in NodeJS, implementing better spam and profanity filters.

ORGANISATIONS

SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS (SIAM), VIT   **VELLORE, INDIA**
Technical Chairperson   March 2024 – Present
- In charge of overall tech operations in the chapter, which includes technical skills in events such as code reviews, conducting sessions on topics such as GitHub, web development, daily competitive coding problems etc.
- Organised the event **Bug Hunt**, where participants had to work through the code and find syntax and logical errors to obtain the correct output. Made multiple sets each in Python, C and C++ of easy, medium and hard difficulties.
- Conducted the event **Blog-a-thon**, where participants learnt and proceeded to make a blog website. Judged and rewarded the participants for their code and blog content.

Senior Core Committee Member   September 2023 – March 2024
- Part of the organising team of one of the flagship events of VIT's cultural fest, **VIT's Got Talent** – Came up with ideas for events, contacted sponsors and ensured that the events were carried out smoothly.
- Organised the event **Triwizard Tournament** in VIT's cultural fest, Riviera'24. Hosted over 200 participants over 10 hours and 5 games.

CODECHEF - VIT STUDENT CHAPTER   **VELLORE, INDIA**
Senior Core Committee Member   March 2024 – Present
- Part of the organising team of the largest student-run hackathon in India called **DevSoC 24'**. Developed the backend of the portal using GoLang (Echo framework) and PostgreSQL, which was used by over 500 participants. Used OAuth2.0 for authentication and Nginx and GCP for deployment. Carried out reviews for different projects.
- Conducted a session on backend development, where participants were taught basic CRUD operations in ExpressJS and MongoDB.
- Made the backend for an e-commerce platform which connects to an ML model for NSFW filtering, using GoLang (Fiber framework), PostgreSQL and OAuth2.0.

- Part of the team which made the backend for the portal for **CookOff 8.0**, the flagship competitive coding event of the club, which hosted over 200 participants. The backend was made using ExpressJS, MongoDB, JWT, and an external API called Judge0 API.
- Part of the organising team of the largest student-run hackathon in India called **DevSoC 23'**. Was part of the design as well as the marketing team. – Contacted sponsors and designed posts for the Instagram page.

PROJECTS

BLOG API   ‘

- A blogAPI which takes input from users in the form of text and images for the user to share their blogs.
- API made using ExpressJS and MongoDB. Uses JWT for user authentication, AWS S3 Buckets to generate URLs for any image, and MongoDB to store the text and image and for one-to-many relations between the user and their blogs.
- https://github.com/Oik17/BlogAPI/

BRIEFLY   ‘

- An online tool to provide the transcript and summary of any given YouTube video.
- Uses Python and Django for the backend. Frontend created using HTML, CSS and JavaScript by a fellow team member. Hosted on Replit.
- https://codechef.akshatgupta21.repl.co/transcripts/

GAMING BOT – DISCORD

- A discord bot with which you can play different games, like rock paper scissors and races.
- It uses MySQL to store the user balance and Python, using the Discord library.

EXTRACURRICULARS

Additional Skills: NodeJS, GoLang, Django, Flask, MongoDB, PostgreSQL, GraphQL, AWS S3Buckets, Docker, JWT Authentication, OAuth 2.0, ExpressJS, GoFiber, Echo, Gin, MySQL, HTML, CSS, Java, C, C++, Python

Awards: LCM Guitar Examination Grade 7 - London College of Music Examinations

Languages: English, Hindi, French (elementary)