Aahil Khan

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PROFESSIONAL EXPERIENCE

• **Thapar Edutube**   *Oct 2024 - Present*
Team Lead
  ◦ Leading an ongoing project at Thapar, managing team coordination and development.
  ◦ Developing the backend and managing API integrations for frontend connectivity.
  ◦ Overseeing and finalizing the frontend design and functionality.

• **DateSheet Generator Project**   *March 2025*
Backend Developer (Ongoing),
  ◦ Designing and structuring the database for improved efficiency and scalability.
  ◦ Migrating Flask sessions to said database for better session management.
  ◦ Working on backend improvements and assisting with frontend modifications.

EDUCATION

• **Thapar Institute of Engineering Technology**   *Aug 2023 - Present*
Bachelor of Engineering in Computer Engineering
  ◦ CGPA: 9.54

• **Indian Institute of Technology Madras**   *Sept 2023 - Present*
Diploma in Engineering in Programming
  ◦ CGPA: 8.57

• **Saiyyid Hamid Senior Secondary School**   *July 2022*
Secondary Education
  ◦ Grade: 93%

PROJECTS

• **Household Services App**   [O]
Tools: Flask, Flask-Restful, SQLite, SQL-alchemy, bcrypt
  ◦ Developed a Flask-based service marketplace with Role-Based Access Control (RBAC).
  ◦ Enabled professionals to list services, while customers can book and rate them.
  ◦ Designed an admin panel for user management, oversight, and operational insights.
  ◦ Implemented search functionality and summary analytics for enhanced usability.

• **Game List App**   [O]
Tools: PostgreSQL, Express.js, React.js, Node.js
  ◦ Built a personal game listing website with search functionality using a public API (giantbomb).
  ◦ Enabled users to review games, with ratings dynamically updating on the website.
  ◦ Used PostgreSQL for database management and Node.js with Express for the backend.

SKILLS

• **Programming Languages:** Python, Java, C++, C
• **Web Technologies:** HTML, CSS, Javascript, React.js, Next.js, Node.js, Express.js, Flask, Jinja2
• **Database Systems:** PostgreSQL, SQLite, MySQL, Redis
• **Cloud Technologies:** Heroku, Vercel, AWS (planning to use EC2)
• **DevOps & Version Control:** Docker, Git, Github
• **Specialized Area:** Full-Text Search (PostgreSQL FTS, Elasticsearch)
• **Other Tools & Technologies:** WSL, Kali Linux, Bootstrap, MUI, REST APIs