

TANUJ KAMBOJ



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DOB: 11 Oct 2002

EDUCATION

Indraprastha Institute of Information Technology, Delhi

B.Tech. CS

2021 - 2025 (Present)

CGPA: 8.00*

(Till 4th Semester)

SSS Higher Secondary School, Miranpur, UP

CBSE Standard 12, PCM

2019 - 2020

Percentage: 96.8%

Mount Litera Zee School, Meerut, UP

CBSE Standard 10, PCM

2017 - 2018

Percentage: 96.8%

SKILLS

Expertise Area	Data Structures and Algorithms, Analysis and Design of Algorithms, Operating Systems, Database Management System, Object Oriented Programming
Programming Languages	C++, C, JAVA, Python, R, HTML, Javascript, Bash
Tools and Technologies	NodeJS, Express, HTML, CSS, MySQL, LIBGDX (BOX 2D), Figma, VMware, Arch Linux, TensorFlow, Numpy, Assembly
Technical Electives	Information Retrieval, Computer Networks, Human-Computer Interaction, Computer Organization, Algorithms in Bioinformatics, Multivariate Calculus

WORK EXPERIENCE

Adobe Business Cloud Hackathon Round 1 (Winner) | [Project Link](#) | [Winner Certificate](#) 12th June 23 - 26th June 23

Supervisor- Adobe Team

- **Tech Stack:** Adobe PDF Extract API, Ijson, Python, CSV
- Implemented Adobe PDF Extract API to accurately parse receipt data from complex JSON output.
- Effectively deserialize and normalize highly randomized JSON data into a structured format for processing.
- Design a comprehensive CSV schema covering all CUSTOMER, COMPANY, and ORDERS details extracted from receipts.
- Efficiently map and transform normalized JSON data into the predefined CSV format while ensuring data integrity.
- Automate validation processes and error handling to ensure accuracy and completeness of extracted data.

Adobe Business Cloud Hackathon Round 2 (Winner) | [Project Link](#) | [Winner Certificate](#) 6 July 23 - 26 July 23

Supervisor- Adobe Team

- **Tech Stack:** Adobe Document Merger API, NodeJS, Express, HTML, CSS, JavaScript, Mutex Locks
- Integrate Adobe Document Merger API for creating a dynamic Resume builder in Node.js.
- Collect user data and template selection via RESTful API endpoints with Express middleware.
- Implement automated resume generation using mutex locks to ensure data consistency and one-click functionality.
- Develop a responsive website with HTML5, CSS3, and JavaScript for an interactive user experience.
- Ensure smooth integration between the front-end and API, utilizing mutex locks for concurrency control.

PROJECTS

TaxiWala (Cab Booking System) | [GitHub](#)

Feb '23 - May '23

Supervisor - Dr. Vikram Goyal

Team Size: 2

- **Tech Stack:** Mapbox GL, Node.js, React.js, Javascript, HTML, CSS, Express, MySQL
- Developed a web application for car services utilizing HTML, CSS, JavaScript, and SQL.
- Implemented user authentication systems for clients and drivers using secure login mechanisms.
- Created dynamic booking and ride acceptance interfaces with real-time updates via AJAX.
- Managed transactions and user data with robust SQL database schemas and secure queries.

Tank Stars(Java Game) | [GitHub](#)

August '22 - December '22

Supervisor - Dr. Raghava Muthuraju

Team Size: 2

- **Tech Stack:** LibGDX, Box2D, Java, Gradle, FXML
- Developed a game application using LibGDX, Java, and Box2D with Gradle for project management.
- Created UML and Use-Case diagrams to outline game architecture and user interactions.
- Designed static GUI using FXML, ensuring a user-friendly interface.
- Implemented dynamic GUI for the game with seamless input handling and state-saving.
- Applied design patterns for robust and maintainable code architecture.
- Ensured comprehensive error handling for a smooth gaming experience.

Assembler-Simulator(Computer Architecture) | [GitHub](#)

May '22 - August '22

Supervisor - Dr. Sujay Deb

Team Size: 3

- **Tech Stack:** Python
- Developed a custom assembler for the given ISA, translating assembly code into binary machine code.
- Created a simulator to execute the machine code generated by the assembler, simulating the ISA's behavior.
- Extended the assembler and simulator to handle simple floating-point computations, enhancing the ISA's functionality.
- Implemented comprehensive error handling and debugging features to ensure accurate assembly and simulation processes.

POSITIONS OF RESPONSIBILITY

- **Organising Team Member of Sports Fest**, organised events in IIITD with participation of 500+ students. Dec '22 - April '23
- **Organising Team Member of E-Summit**, organised events in IIITD with participation of 1000+ students. Jan '23 - April '23
- **Head Boy**, Handled 500+ students in School. April '17 - March '18

AWARDS AND ACHIEVEMENTS

- **Winner** of Abode Business Cloud Hackathon (3 Rounds)
- Been in the **Top 16** in Adobe Business Cloud Hackathon out of Hundreds of top-ranked selected university students.
- **99.8 Percentile** in Physics(JEE Main top 0.2%)
- Ranked in the **top 0.1%** of students in India in Mathematics (Merit Certificate by CBSE)
- **100 Marks** in Mathematics (12th Standard)
- Topper of the Sub-Division with **96.8%** in 12th Standard
- **Gold Medal** in Intraschool Sports Meet(Relay 4x100)

INTERESTS AND HOBBIES

- **Martial Arts** - Regular student of Taekwondo in IIIT Delhi
- **Spirituality** - Exploring spirituality to find inner peace, purpose, and a deeper connection to the universe.
- **Poetry** - Composing poetry to express creativity and emotions through written verse.

Declaration: The above information is correct to the best of my knowledge.

Tanuj Kamboj

Date: 30/05/2024