ASHUTOSH RAVINDRA GOLANDE | 21CS10011

COMPUTER SCIENCE & ENGG. (B.Tech 4Y)

CONTACT DETAILS

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EDUCATION

Year	Degree/Exam	Institute	CGPA/Mark
2025	B.TECH	IIT Kharagpur	7.63 / 10
2021	Class XII , MSBSHSE	Dadasaheb Devidas Namdeo Bhole Jr. College, Bhusawal	87.33%
2019	Class X , CBSE	Tapti Public School, Bhusawal	94.4%

WORK EXPERIENCE

Software Development Engineer – Cars24   **[JULY 2025 - PRESENT]**
• Contributed to the Buy Cars domain, focusing on backend development for services enabling customers to purchase vehicles.
• Developed and enhanced core services including Listing Service and Slot Service to provide customers with preferred test drive scheduling options.
• Utilized Spring Boot and Java as primary technologies, implementing robust, scalable, and maintainable backend solutions.
• Worked with Spring Data JPA for database connectivity, optimizing queries and ensuring efficient data handling.

INTERNSHIPS

Software developer Intern at Pratinik Infotech, Pune   [May 2024 - June 2024]
• Developed a full-stack blogging platform to address the need for blogging solutions, enabling to create and manage blogs.
• Designed and implemented a responsive front-end using React focusing on a user-friendly layout.
• Built RESTful APIs with **SpringBoot** for blog creation, editing, commenting, and user authentication
• Utilized JWT and Bcrypt to ensure secure access.
• Designed scalable **SQL** schema for users, blogs, comments, and categories.
• Launched a functional platform with data security, privacy, and intuitive blog management.

PROJECTS

Festival Management System | Prof. Pabitra Mitra   [Jan 2024]
• Created a secure system with **SpringBoot** and **PostgreSQL**, having role-specific registration for Students, Participants, Organizers
• Implemented event search, registration, cancellation, volunteering, and organizer roles for event creation and declaring winner.
• Managed relational data with **PostgreSQL** and **pgAdmin4** handling CRUD operations for users, events, winners with validation.
• Allowed admins to manage user accounts, handle event outcomes, and access reports for winners, logistics, accommodation.

Implementing Functionalities of Relational Database | Prof. Abir Das, Prof. Sourangshu Bhattacharya   [March 2023]
• Implemented **custom logic** for **SQL** operations, like Union, Difference, Cartesian Product, Projection, Selection, and Rename.
• Designed and built a **C++** application to execute complex relational database queries, utilizing **relational algebra** principles.
• Created an intuitive **command-line interface** for seamless execution of all relational database operations.

Buffer Management System | Prof. Pabitra Mitra   [April 2024]
• Developed a **buffer management** simulation in **C/C++** using **SQLite** to evaluate join and selection queries performance.
• Implemented key strategies: Least Recently Used **(LRU)**, Most Recently Used **(MRU)**, **CLOCK**, and **Pinned Blocks**.
• Analyzed and compared the efficiency of each strategy based on the number of **disk I/O** operations required.
• Conducted a detailed analysis of trade-offs between eviction policies for optimizing database performance.

Motor Part Shop Software (MPSS)   [March 2023 - April 2023]
• Built a Motor Part Shop Software with **Springboot** and **PostgreSQL** for efficient inventory management and **JIT**-based reordering.
• Developed algorithms to calculate dynamic inventory thresholds based on weekly sales data, ensuring optimal inventory levels.
• Reduced overhead costs by applying Just-In-Time **(JIT)** principles, minimizing excess stock and enhancing efficiency.
• Created daily revenue summaries and monthly sales graphs for performance tracking.
• Utilized **Bootstrap** and **CSS** to create an intuitive and efficient user interface for streamlined operations.

SKILLS AND EXPERTISE

• **Skills**: Algorithms and Data Structures* | Web development | Analytical Problem solving
• **Languages**: C | C++* | CoreJava* | Advanced Java | Javascript | HTML | CSS | Python
• **Frameworks/Libraries/Tools:** Spring | Spring Boot | Hibernate | Bootstrap | C++ STL | Git | Eclipse | IntelliJ | VS Code
• **Database:** MySQL | PostgreSQL | SQLite | DBMS   **(*Elementary Proficiency)**

COURSEWORK INFORMATION

- Programming and Data Structures*
- Switching Circuits and Logic Design*
- Formal Language and Automata Theory
- Database Management Systems*
- Computer Organization and Architecture*
- Algorithms-I*
- Compilers*
- Algorithms-II
- Advanced Calculus
- Computer Networks*
- Discrete Structures
- Software Engineering*
- Machine Learning
- Signal and Systems
- Basic Electronics*
- Probability and Statistics
- System Programming*
- Operating Systems*
- DIY Project

(* marked Includes a Lab Component as well)

AWARDS AND ACHIEVEMENTS

- Secured **All India Rank of 06** (OBC-PWD) in the Joint Entrance Examination Advanced 2021.
- Secured **All India Rank of 21** (OBC PWD) in the Joint Entrance Examination Mains 2021.
- Secured **99.57 percentile** marks and Secured **All Maharashtra Rank 02** (OPEN PWD) in the MHCET 2021.

EXTRA CURRICULAR ACTIVITIES

- Member, National Sports Organization (NSO) H&FUNIT 5, IIT Kharagpur.
- Participated in rally on theme "Vigilance Awareness on corruption free india for developed nation" organized under NSO H&F.
- Participated various activities between the volunteers and Program Officer of NSO H&F Unit 5, IIT Kharagpur.