

# MAHI TYAGI

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## Technical Skills

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**Languages:** Python, Java, C++, HTML/CSS, JavaScript, TypeScript  
**Developer Tools:** VS Code, Git, GitHub, Node.js, Firebase  
**Frameworks:** React.js, Next.js, Node.js, Numpy, Pandas, Matplotlib, Sklearn, Socket.io  
**Databases:** MySQL, MongoDB

## Education

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**Abdul Kalam Technical University**

*Bachelor of Science in Computer Science Engineering*

**Jan 2021 – 2025**

*Ghaziabad*

### Certification

- *WebDevelopment Hackathon Runner up - IIT Jodhpur*
- Machine Learning Course Certificate - Udemy

## Coursework

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- Data Structures
- Algorithms Analysis
- Web Development
- Machine Learning
- Database Management

## Projects

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### TASTEBASKET | [Link](#)

- Technologies: HTML, CSS, Reactjs, Redux, JavaScript, Node.js.
- Developed a feature-rich e-commerce website using ReactJS for 100% of the front-end functionality.
- Engineered a secure user authentication system, improving login security by 50%.
- Enhanced user experience by improving the cart's user interface and functionality
- Implemented seamless payment and order placement workflows, enhancing user experience

### AANCHAL PROJECT

- Technologies: HTML, CSS, JavaScript, React.js.
- Project AANCHAL is a comprehensive multi-feature website designed for pregnant women. It simplifies access to essential services, from check-up reminders to risk tracking, all with just a few clicks, using ReactJS for 50% of the front-end features.
- AANCHAL offers a range of solutions from basic health information to advanced risk tracking, ensuring comprehensive support for pregnant women.

### Real-time Collaborative Code Editor | *React.js, Node.js, Socket.io*

- Developed a real-time collaborative code editor supporting up to 10 simultaneous users, enabling efficient teamwork.
- Achieved millisecond-level updates in code synchronization using WebSockets and Socket.io, ensuring that all users experience real-time collaboration with minimal latency.
- Integrated CodeMirror for advanced editing features like syntax highlighting and real-time change propagation, significantly enhancing the editing experience.

## Leadership

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- Organized and managed the Startup Conclave Event in college, featuring 75 teams and awarding upto 2 lakhs in seed funding to the winners.
- Played a key role in organizing the TEDxAkgec event as the coordinator of the discipline team, managing a crowd of over 200 attendees and ensuring smooth execution for a seamless experience.
- Contributed to open-source projects and successfully made 4+ pull requests and earned Hacktoberfest goodies and recognition for active participation.
- Member, Idealab Entrepreneurial Society: Engaged in activities promoting innovation and entrepreneurship within the college.