

Mohammad Belal Afzal

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Education

10/2025 - Present	Master of Science in Applied Computer Science Deggendorf Institute of Technology, Bavaria, Germany
2021 - 2025	Bachelor of Technology in Computer Science and Engineering Vellore Institute of Technology, Bhopal, India CGPA: 7.5/10
2019 - 2020	Central Board of Secondary Education (CBSE) Delhi Public School, Varanasi, India Score: 78.6%

Professional Career

02/2025 - 08/2025	Software Engineer (Intern) Wise Work, Bangalore, India Developed and deployed a real-time weather platform integrating external APIs, authentication, and scalable cloud databases. Improved backend API performance by ~18% through optimised request handling and data processing. Enhanced UI responsiveness and usability using HTML, CSS, and JS, reducing page load time by ~15%. Awarded Intern of the Month for exceptional technical contributions and proactive problem-solving, and was offered a full-time role based on consistent performance.
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Notable Projects

02/2025 - 08/2025	Modern Weather Application - (Intern Project - Wise Work) Built a full-stack weather platform using C#, .NET 8, Blazor Server, MongoDB, Supabase, and REST APIs, implemented authentication and database management. Designed a responsive, component-based UI with JavaScript and implemented backend logic for API consumption, data processing, state management, and database operations. Focused on API integration, cloud-based backend services, performance optimization, secure user authentication, and scalable architecture design.
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Notable Projects

06/2024 - 02/2025	BrainNet (<i>Tumour Detection Machine Learning System</i>) Developed a machine learning pipeline using Python, Pandas, NumPy, Matplotlib, and Seaborn for medical dataset analysis and tumour prediction. Implemented data preprocessing, feature engineering, and supervised learning models, achieving ~87% classification accuracy. Automated preprocessing and visualization workflows, reducing analysis time by ~30%.
10/2023 - 05/2024	Desi Kalakaar (<i>MERN E-Commerce Platform</i>) Developed a full-stack MERN (MongoDB, Express.js, React.js, Node.js) e-commerce platform with authentication, product catalog, and shopping cart functionality. Built RESTful APIs and CRUD operations supporting ~1K+ products and multi-user access. Optimized backend routes and database queries, improving product search and page load performance by ~10–12%.

Skill Summary

Primary Stack:	Java, C#, C++, Python, JavaScript, TypeScript, MongoDB, PostgreSQL, MySQL, HTML, CSS
Frontend:	React, .NET, Next.js, Redux, Django, MUI, Tailwind CSS
Backend & Data:	Node.js, Express.js, REST, API design, PostgreSQL, MySQL, MongoDB
Cloud & DevOps:	AWS, MS Azure (basic), Docker, Kubernetes, CI/CD (GitLab CI, GitHub Actions, Jenkins)
AI/ML Engineering:	Pandas, NumPy, Matplotlib, Seaborn, OpenAI, LangChain, Prompt Engineering, Cursor
Tools & Practices:	Git, GitHub, Jira, Agile/Scrum, Jest, System Design, Swagger, Postman
Languages (Spoken):	German: A2, (B1 in progress) English: B2



Mohammad Belal Afzal (Deggendorf, 21.03.2026)