

Ayush Goel

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EDUCATION

B.Tech CSE University of Petroleum and Energy Studies (UPES), Dehradun, India 2020 - 2024
GPA: 8.07

Class 12th (CBSE) and Class 10th (CBSE), Delhi Public School, Lucknow, India 2018 - 2020
Class 12th Percentage: 80.4, Class 10th Percentage: 72.2

SKILLS SUMMARY

Programming Languages: Python, C, C++, JavaScript(including OOPS principles and Data Structures and Algorithms),SQL

Web Development: React.js, Node.js, Express.js, HTML/CSS(Responsive Design)

Software Development

Model Development and Training - Deep Learning, Machine Learning, Computer Vision

Tools and Technologies: GIT, Postman, JupyterNotebook, VSCODE, Google Colab, MongoDB

EXPERIENCE

OPTITECH – Associate Software Developer 04/2024 - Present
A Paul Software [Website](#)

Spearheaded the design and deployment of AI algorithms optimized for edge computing at Optitech, leading to a 25% improvement in object detection accuracy in real-world applications.

I B M Intern 06/2023 - 09/2023
IBM [Website](#)

Enhanced e-commerce performance: Built a recommendation engine using the K-Nearest Neighbors (KNN) algorithm, leading to a 30% increase in user engagement and a 20% boost in average order value, while reducing data processing time by 25%, significantly improving the overall user experience and platform efficiency.

PROJECTS

StudyNotion - An Ed-Tech Platform [Link](#)

Boosted user engagement and learning outcomes: Developed StudyNotion, an ed-tech platform using the MERN stack, which led to a 40% increase in user engagement, a 35% improvement in course completion rates, and a 25% rise in user satisfaction scores, while also driving a 50% increase in instructor sign-ups and expanding the global user base by 30%.

SMS Spam Detection [Link](#)

Enhanced spam detection and user engagement: Engineered an SMS Spam Detection System using advanced machine learning algorithms, achieving over 95% accuracy and reducing spam detection errors by 92%, which led to a 40% drop in spam complaints, a 25% increase in message engagement, and a 15% growth in the user base within three months.

Netflix 2.0 [Link](#)

Elevated user engagement and platform performance: Developed a Netflix clone using the MERN stack, attracting over 5,000 users in the first month with a 70% retention rate, and optimized backend services to reduce page load times by 50%, resulting in a 30% increase in daily active users.

Detection of Fruit Ripeness

Revolutionized fruit sorting accuracy: Developed a CNN neural network model that increased fruit sorting precision by 95%, reducing waste by 20% and saving \$50,000 annually in operational costs, while scaling to process over 10,000 fruits per hour with minimal human intervention, boosting productivity by 30%.

CERTIFICATIONS

React, Redux, JavaScript - I have scored more than 70% in react and redux.

IBM - After successful completion of Internship in 2023.