

ABHISHEK JOSHI

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EDUCATION

Master of Science in Computer Science, Texas A&M University-Corpus Christi, Corpus Christi, Texas, 2023 - 2025, GPA: 3.5/4

WORK EXPERIENCE

Graduate Research Assistant, Texas A&M University-Corpus Christi **Corpus Christi, Dec 2023 – Current**

- Optimized Transformer-based models, achieving a 20% improvement in machine learning models, significantly enhancing predictive accuracy.
- Pioneered a Pipeline Prediction Model Integrating Corporation Relationships, boosting stock price prediction accuracy by 7% through capturing direct corporate relationships.
- Advanced financial recommendation research, reducing analysis times by 40% and cutting operational costs by 25%, enabling rapid portfolio adjustments. [1].

Senior Software Engineer, Kellton Tech Solutions Limited **Gurugram, Feb 2022 – Aug 2023**

- Directed three back-end projects, boosting efficiency by 17% through meticulous technology analysis, showcasing adaptability and problem-solving skills in a fast-paced environment.
- Designed reusable software solutions with agile principles, improving team productivity by 20%, and honed expertise in high-performance microservices.
- Created high-performance microservices web applications, integrating Restful APIs for seamless functionality..

Senior Software Engineer, Star World Digital **New Delhi, Dec 2020 – Feb 2022**

- Led a team of 8 in executing a client software upgrade, contributing to a remarkable 33% revenue growth within 8 months, showcasing proficiency in Node.js, MongoDB, MySQL, HTML, CSS, and PHP.
- Closed 7 major contracts, generating over \$120K by translating client needs into effective solutions.
- Maintained a 95% customer satisfaction rate by troubleshooting technical issues and improving the product lifecycle.

Software Engineer Intern, AIMAKERY™ **London, Sep 2019 – Dec 2020**

- Spearheaded the development of a decentralized cryptocurrency exchange, achieving a 25% annual sales increase.
- Optimized departmental workflows by 40% with a custom CMS portal, showcasing efficiency gains.

Software Engineer Intern, Molog Media **New Delhi, Sept 2019 – Aug 2020**

- Enhanced visitor management system, elevating user engagement by an exceptional 92%.
- Deployed Docker for a 25% yearly sales increase and a 40% boost in production efficiency through a streamlined CMS portal.

PUBLICATIONS

[1] Joshi, Abhishek. "Short-Term Cryptocurrency Forecasting with Dual-Prediction and Cross-Correlated Market Indicators." *CIKM 2024* (In Review), June 2023. [Link](#)

[2] Joshi, Abhishek. "Chatbots - A Case Study." *International Journal of Scientific & Engineering Research* 13, no. 4 (April 2022). [Link](#)

TECHNICAL SKILLS

Programming languages: C, C++, Java, Python

Back-end: Node.js, Express.js, Typescript, PHP, Koa.js, Flask, Django

Front-end: ReactJS, JavaScript, HTML5, CSS3, CMS, Next.js, Vue.js

Database: MySQL, Aerospike, MongoDB

Version Control: GIT, Bitbucket, Jira

Cloud Computing: Amazon web services (S3, EC2, Redshift, Lambda Function), Google Cloud Computing

DevOps/IT Engineering: Jenkins (CI/CD), Docker, Kubernetes, Ansible.

Machine Learning: TensorFlow, PyTorch, Scikit-learn, Natural Language Processing (NLP), OpenCV.

ACADEMIC/ RESEARCH PROJECTS

Team Lead, Content Right **Corpus Christi, TX, Jan 2024 – May 2024**

Technology used: (TensorFlow/Machine Learning/Natural Language Processing (NLP)/React.js/Node.js/MongoDB/OpenCV/)

- **Spearheaded** the development of "Content Right," an AI-powered web platform converting text into dynamic video and image formats using technologies like Fliki.ai, Synthesia, Hugging Face, and OpenCV, resulting in a 50% increase in content creation efficiency and a 40% boost in user engagement for diverse content creators.
- **Utilized** advanced AI, machine learning, and NLP techniques, integrating ModelScope DAMO, AIAnytime, Amphion, and OpenCV to ensure precise text interpretation and seamless media generation, achieving a 30% increase in processing speed and a 25% improvement in media quality, while maintaining high scalability and performance. [Link](#)

AWARDS & ACHIEVEMENTS

- Awarded with National Science Foundation Student Award for the 2024 [FLAIRS](#) conference in Florida, one of 5 nationwide, for distinguished achievements in machine learning research.
- Grand Finalist, Smart India Hackathon 2019. Built a software solution for Mahindra Electric [Link](#).
- All India Rank 105 in 2018 and AIR 109 for the worldwide coding competition [IEEE XTREME](#).