

Vamshi Banoth

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Professional Summary

Versatile technology and creative professional with comprehensive expertise in Data Science, Full-Stack Software Development, Content Creation, and Digital Media. Proven ability to deliver high-impact projects using cutting-edge tools and technologies, including AI platforms. Adept at managing online communities, supporting gamers and QA teams, and ensuring on-time project delivery through effective team communication.

Professional Experience

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Highbrow Technology Inc

January 2025 - Present

- Managed a 200-member Discord server, ensuring smooth community engagement and timely support for gamers and QA testers, resolving technical or coordination issues efficiently.
- Oversaw ongoing production workflows, maintaining timelines and ensuring consistent progress by facilitating communication between team members and support roles.
- Analyzed and annotated video data with high accuracy to ensure precise labeling for machine learning models, consistently meeting project deadlines.
- Collaborated with cross-functional teams to improve annotation guidelines and workflows, resulting in enhanced data quality and efficiency.
- Conducted technical training sessions for 200+ students, delivering a comprehensive curriculum tailored to diverse skill levels, resulting in improved understanding and application of key concepts.
- Designed and facilitated interactive workshops on emerging technologies, ensuring student engagement and achieving high satisfaction ratings from participants.
- Evaluated search engine results for relevance and quality, enhancing search algorithms and contributing to improved search performance.
- Analyzed large datasets to provide insights and recommendations for improved search performance, impacting overall search engine effectiveness.
- Developed and deployed machine learning models using Python, Pandas, NumPy, and Scikit-learn, contributing to enhanced AI applications.
- Conducted data analysis and visualization to derive actionable insights, enhancing business intelligence and supporting data-driven decision-making.
- Implemented neural networks and NLP techniques to enhance AI applications, improving model accuracy and performance.
- Preprocessed and evaluated data to ensure high model accuracy, contributing to advanced AI solutions and achieving a 15% improvement in prediction accuracy.
- Designed and tested machine learning algorithms to improve predictive accuracy, resulting in a 10% increase in prediction accuracy.
- Visualized data to support business decision-making and strategy formulation, providing actionable insights for strategic planning.

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Projects

3D Animations and Video Editing

- Technologies: Blender 3D, Premiere Pro, After Effects
- Created 3D animations for commercial and educational purposes, enhancing visual storytelling and increasing viewer engagement by 20%.
- Edited videos for YouTube and Instagram, improving content quality and viewer engagement, resulting in a 25% increase in subscribers.

E-commerce Website Development

- Technologies: HTML, CSS, Bootstrap, JavaScript, React, Node.js, MySQL
- Developed a fully functional e-commerce site with responsive design for an optimal user experience, increasing user satisfaction by 30%.
- Integrated payment gateways and implemented secure user authentication for reliable transactions, ensuring secure and seamless payment processing.

Data Analysis for Retail Sales

- Technologies: Python, Pandas, Matplotlib, SQL
- Analyzed retail sales data to identify trends and patterns, providing actionable insights and increasing sales by 15%.
- Created visualizations and reports to support strategic decisions and drive sales growth, improving decision-making processes.

Motion Control with Computer Vision

- Technologies: Python, OpenCV
- Implemented gesture recognition and object tracking using computer vision algorithms, enhancing interactive experiences.
- Leveraged hardware such as cameras for real-time motion capture, improving interactive experiences and reducing latency by 10%.

Education

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NxtWave Data Analyst and Data Science Udemy 3D Animation and VFX in Maya, Blender, 3Ds Max Udemy Video and Photo Editing Udemy Game Development Udemy Cloud Computing and Cloud Architecture

Technical Skills

Technical Development:

- Programming: Python, JavaScript, C++
- Web Technologies: HTML5, CSS3, Bootstrap, React.js, Node.js, RESTful APIs
- Databases: MySQL, PostgreSQL, MongoDB, SQLite
- Cloud / DevOps: AWS, Azure, GCP, Docker, Kubernetes
- Version Control: Git, GitHub

Data & Analytics:

- AI/ML: TensorFlow, PyTorch, Scikit-learn, Keras
- Data Processing: Pandas, NumPy, SciPy, PySpark
- Business Intelligence: Power BI
- Spreadsheets: Advanced Excel, Google Sheets

Content Creation & Media:

- Video Editing: Adobe Premiere Pro, After Effects, DaVinci Resolve
- Graphics: Photoshop, Illustrator, Canva, Figma
- 3D Software: Blender, Maya, 3ds Max, Cinema 4D, Unity, Unreal Engine
- Motion Graphics: Adobe Animate, Motion
- Streaming: OBS, Streamlabs, XSplit

Productivity & Collaboration:

- Microsoft Office: Excel (Advanced), PowerPoint, Word
- Project Management: Jira, Trello
- Communication: Slack, Microsoft Teams, Zoom
- Documentation: Confluence, Notion, SharePoint
- Presentation Tools: Canva, Google Slides

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Certifications

- Programming Foundations with Python
- Build Your Own Dynamic Web Application
- Introduction to Databases
- Data Science 101
- Build Your Own Responsive Website