

Pranay Ghuge

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PROFESSIONAL SUMMARY

Software Engineer with 3 years of experience building high-performance web applications and data solutions. Specialized in .NET, React, and cloud technologies with a track record of reducing costs and improving system efficiency. Two-time ACE Award recipient, currently pursuing Master's in Computer Science at UMass Dartmouth.

PROFESSIONAL EXPERIENCE

Software Engineering Analyst

Jun 2022 – Jul 2024 | Bengaluru, India

Accenture

Project: CloudSync

- Built a .NET and React app, cutting data transfer times by 85% and saving \$100,000 annually in storage costs
- Optimized large data transfers with REST APIs and parallel processing, reducing operational expenses
- Designed a real-time tracking UI with Material UI, improving user experience and efficiency

Project: RMS DMT

- Developed a React and .NET app for secure multi-terabyte database transfers, ensuring compliance and speed
- Created a React-based file explorer, reducing manual tasks by 40%
- Achieved 90% test coverage, cutting production incidents by 20%

Software Engineer Associate

May 2021 – Jun 2022 | Bengaluru, India

Accenture

Project: PreprocessorWeb

- Merged multiple client apps into a single .NET and React web app, reducing maintenance costs
- Redesigned the UI with React, improving information retrieval by 30% and enhancing usability
- Conducted testing to resolve integration issues, ensuring a smooth user experience

Associate Consultant Intern

Jan 2021 – Apr 2021 | Hyderabad, India

Capgemini

- Led a team of five to complete the final project on time using Agile methodologies and task delegation
- Built a replica of the E-Trade system as the internship's final project
- Designed a scalable back-end with N-Tier architecture using .NET and MySQL for efficient data retrieval and performance

Big Data Intern

Feb 2020 – Jun 2020 | Jaipur, India

Celebal Technologies

- Built an ML model in Python for sales forecasting, achieving 80% accuracy
- Created interactive Power BI dashboards to visualize key insights and trends for decision-making

SKILLS

Languages: C#, C++, Python, JavaScript (ES6+), TypeScript, SQL

Frontend: React.js, HTML5, CSS3, SCSS, Material-UI, TailwindCSS

Backend: ASP.NET Core, ASP.NET MVC, REST APIs

Cloud Services: Microsoft Azure, AWS (Lambda, S3, CloudWatch, QuickSight), Firebase

Databases: Microsoft SQL Server, MySQL, Oracle Database, MongoDB

DevOps & Tools: Git, GitHub, Azure DevOps, Jira, Confluence, Postman

EDUCATION

Master's in Computer Science University Of Massachusetts Dartmouth (GPA 3.67 / 4)	May 2026 Dartmouth, USA
Bachelor's of Technology - Computer & Communication Manipal University Jaipur (CGPA 3.12 / 4)	May 2021 Jaipur, India

PROJECTS

Personal Portfolio  Personal Project	Oct 2024 – Nov 2024 Dartmouth, USA
Tech Stack: React.js, TypeScript, Tailwind CSS, Framer Motion, Firebase	
<ul style="list-style-type: none">• Built a modern portfolio website using React, TypeScript and Framer Motion for smooth animations• Implemented responsive design with Tailwind CSS and custom interactive UI elements• Created reusable components with dynamic content management for easy maintenance	
GPU Architecture Analysis Umass Dartmouth	Sep 2024 – Nov 2024 Dartmouth, USA
Tech Stack: Python, CUDA, NVIDIA Nsight (Graphics, Compute), Unity, Unreal Engine	
<ul style="list-style-type: none">• Developed Python scripts to monitor GPU performance across NVIDIA architectures• Benchmarked CUDA on RTX 3000/4000 GPUs, analyzing performance with Nsight Compute• Used Nsight Graphics for API call analysis and shader efficiency	
Ocular Eye Disease Detection Model  Umass Dartmouth	Sep 2024 – Nov 2024 Dartmouth, USA
Tech Stack: Python, TensorFlow, OpenCV, Scikit-learn, Pandas, NumPy, EfficientNetB0, Jupyter Lab	
<ul style="list-style-type: none">• Developed an ML model with TensorFlow to detect 8 ocular diseases from 5000+ retinal images• Achieved 86% accuracy using EfficientNetB0 and transfer learning• Improved feature extraction with K-means clustering and PCA	
Real-time Weather Analytics Platform  Umass Dartmouth	Sep 2024 – Nov 2024 Dartmouth, USA
Tech Stack: Python, AWS (Lambda, S3, CloudWatch, QuickSight), REST APIs	
<ul style="list-style-type: none">• Created a serverless AWS Lambda pipeline for real-time weather analysis across 14 regions• Optimized S3 storage and CSV processing, cutting data retrieval time by 30%• Built an interactive weather dashboard with alerts for climate zone monitoring	

AWARDS

ACE Awards Accenture	May 2023 Jun 2022 Bangalore, India
<ul style="list-style-type: none">• Recognized for outstanding contributions to the RMS DMT and PreprocessorWeb projects, demonstrating exceptional technical skill and project execution	

CERTIFICATES

Certified SAFe® 5 Practitioner Scaled Agile, Inc.	Dec 2022 Online
<ul style="list-style-type: none">• Expertise in Agile methodology, including scaling Agile principles in large project environments	
DevSecOps Cloud Guru	Mar 2021 Online
<ul style="list-style-type: none">• Understanding in Security as Code, CI/CD pipeline security, automated security testing methodologies, and infrastructure scanning	