

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

May 2026 | Dartmouth, USA

University Of Massachusetts Dartmouth (GPA 3.67 / 4)

Bachelor's of Technology - Computer & Communication

May 2021 | Jaipur, India

Manipal University Jaipur (CGPA 3.12 / 4)

PROJECTS

Personal Portfolio

Oct 2024 – Nov 2024 | Dartmouth, USA

Personal Project

Tech Stack: React.js, TypeScript, Tailwind CSS, Framer Motion, Firebase

- 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

Sep 2024 – Nov 2024 | Dartmouth, USA

Umass Dartmouth

Tech Stack: Python, CUDA, NVIDIA Nsight (Graphics, Compute), Unity, Unreal Engine

- 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

Sep 2024 – Nov 2024 | Dartmouth, USA

Umass Dartmouth

Tech Stack: Python, TensorFlow, OpenCV, Scikit-learn, Pandas, NumPy, EfficientNetB0, Jupyter Lab

- 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

Sep 2024 – Nov 2024 | Dartmouth, USA

Umass Dartmouth

Tech Stack: Python, AWS (Lambda, S3, CloudWatch, QuickSight), REST APIs

- 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

May 2023 | Jun 2022 | Bangalore, India

Accenture

- Recognized for outstanding contributions to the RMS DMT and PreprocessorWeb projects, demonstrating exceptional technical skill and project execution

CERTIFICATES

Certified SAFe® 5 Practitioner

Dec 2022 | Online

Scaled Agile, Inc.

- Expertise in Agile methodology, including scaling Agile principles in large project environments

DevSecOps

Mar 2021 | Online

Cloud Guru

- Understanding in Security as Code, CI/CD pipeline security, automated security testing methodologies, and infrastructure scanning