



Prafull Sharma

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<https://prafullsharma.me/>

EDUCATION & CERTIFICATIONS

University of Wisconsin Madison | College of Letters and Sciences

Sep 2019 - May 2023 | Madison, WI

B.S. in Computer Science

- **Coursework:** Artificial Intelligence, Operating Systems, Cryptography, Algorithms, Data Structures, OOP
- Teaching assistant for CS 435 (Cryptography) under professor Eric Bach. Held weekly office hours for 150+ students

AWS Certified Developer Associate

June 2024

EXPERIENCES

Dell Tech. – Software Engineer

July 2023 - Present | Santa Clara, CA

- Managed \$140M in potential FY25 sales opportunities by automating intake & tracking of new Dell HPC customer lab requests by creating a database that helps engineers prioritize engagements.
- Implemented Python-based analytics tool utilizing visualizing Dell High Performance Computing customer spending, reducing time overhead by 95% while providing leadership with actionable, data-driven insights.
- Implemented a Python framework to automate & accelerate HPC benchmark testing for performance engineers, improving process efficiency and result consistency.

Dell Tech. – Software Engineer Intern

May 2022 - Aug 2022 | Austin, TX

- Provided the foundational work enabling the release of Hashicorp Terraform providers for Dell APEX Navigator, facilitating multi cloud storage management public clouds like AWS and Azure & data mobility from on-prem to cloud, now open-sourced on the Terraform registry: (<https://registry.terraform.io/providers/dell/apex/latest>).
- Reduced cloud resource deployment overhead by 50% by developing Terraform providers to streamline deployment process for DevOps engineers using Dell Cloud Native Storage API.
- Integrated Terraform CLI commands to replace outdated UI methods.

GroceryMule – Technical CoFounder (<https://grocerymule.net/>)

Sept 2021 - Oct 2022 | Madison, WI

- Mobile app designed for students and roommates, simplifying shared grocery shopping expenses.
- App features include collaborative shopping lists, friending system to add & remove users from lists, expense tracking, and automated receipt splitting using Firebase OCR
- Secured advertising agreements with 3 major student apartment complexes for targeted marketing via flyers in resident mailboxes before the start of academic year 2023, driving visibility & user adoption
- Techstack: Flutter (Dart), Firebase

Dell Tech. – Software Engineer Intern

May 2021 - Aug 2021 | Austin, TX

- Deployed Telegraf plugins in Golang to enable metrics-driven evaluation of internal ML models
- Built ARIMA model to forecast GitHub activity, optimizing maintenance downtime and minimizing workflow disruptions

PROJECTS

MatchMeds (<https://vimeo.com/344841700>)

- MERN Web app connecting patients to affordable medication (\$15k raised)
- Won 1st at 2019 Diamond Challenge youth entrepreneurship summit, UW-Madison Dream Big Grant 2x recipient

NHS Tutoring App (<https://devpost.com/software/nhs-tutoring-app>)

- Full-stack iOS app connecting MHS students to NHS tutors via direct messaging and form-based signup
- Won 1st for Best Educational App in MontyHacks II

SKILLS

Languages: Python, C, Java, Golang, JavaScript, Matlab, R, Swift, HTML, CSS, x86 Assembly, Dart

Frameworks/Libraries: Flutter, TensorFlow, PyTorch, Scikit-Learn, Numpy, Pandas, Matplotlib, React

Other: Linux, AWS, Google Cloud, Firebase, Git/Github, Docker