Kush Patel

Berkeley, CA **|** (916) 291-1781 **|** nikupatel@berkeley.edu **|** https://patelskush.com/

Career Profile

Highly motivated, innovative, and career-oriented data scientist professional having significant expertise in identifying valuable data sources, automating collection processes, combining models, proposing strategies, and presenting information using data visualization techniques. Proficient in software development like networking, operating systems, database management or applications. Capable of deploying programs, debugging existing software, creating technical documentation for reporting and reference to meet user needs. Looking for an opportunity where my design thinking ability in data is put to use.

Education

University of California, Berkeley, CA | Bachelor of Arts in Data Science   **May 2022 - May 2024**

Relevant Coursework: CS61A: Structure Interpretation of Computer Programs **(Python, SQL)** CS61B: Data Structures **(Java)** DATAC8: Foundations of Data Science **(Data Analysis)** CS70: Discrete Math and Probability (**Probability Theory, Discrete Math)** DATA100: Principles of Data Science DATA101: Data Engineering **(Advanced Database Manipulation)** DATA144: Data Mining and Analytics **(Advanced Data Analysis)** STAT134: Concepts of Probability **(Statistics Theory)** DATA102: Data Inference and Decisions **(Data Decisions)** CS188: Intro to Artificial Intelligence **(Experience in Artificial Intelligence)** iOS Decal: Advanced iOS Programming **(SwiftUI and Backend Experience)**

Professional Experience

DEPARTMENT OF ALCOHOLIC BEVERAGE CONTROL: INFORMATION TECHNOLOGY   Jun 2024 - Present
FULL-STACK SOFTWARE ENGINEER | UX STRATEGIST

- Back-End Developer: Ensured optimal website performance, secure APIs, and reliable servers. Expertise in Kubernetes, Docker, CI/CD, backend frameworks, source control, data structures, and server technology.
- Front-End Developer: Managed design tools and frameworks. Skilled in prototyping, wireframing, usability testing, web programming, UI/UX strategy, Adobe Creative Cloud, and Microsoft O365 tools.

DEPARTMENT OF JUSTICE: CRIMINAL JUSTICE INFORMATION SERVICES   Jul 2020 - Jan 2022
STUDENT ASSISTANT PROGRAMMER

- Committed responsibility for the seamless migration of the Criminal Justice Information Services online repository to Confluence, including over 500 resolved issues within the Jira application, and efficiently processed SQL database information on client firearm license submissions
- Examined and tested recently deployed software applications; articulated bugs, exploits, and security vulnerabilities

DEPARTMENT OF JUSTICE APPLICATION DEVELOPMENT BUREAU   Jun 2023 - Aug 2023
STUDENT ASSISTANT PROGRAMMER

- Examined and tested recently deployed software applications; worked on Table Maintenance project in AngularJS to deploy updates and decreased overall bug count by 23% as a result of software analysis.
- Demonstrated my collaboration and drive for excellence in programming, specifically in SQL and JS programming

Leadership & Projects

TEXTJOURNAL | *SOFTWARE ENGINEER | RESEARCH LEAD*   Jan 2023 - Present
- Collaborating with Twilio, Flask, and AWS EC2 to develop TextJournal, a mental health iOS application that records a user's daily thoughts and feelings by using cloud computing and the built-in SMS feature of a smartphone, and uses real-world therapy AI to talk to users.
- Exemplifying the useful application of Python, RESTful API, SQL database manipulation, data analytics, business intelligence, and analytical problem-solving in real-world scenarios.

BRINGING BACK SMILES FOUNDATION | *LEAD WEB DEVELOPER | LEAD MOBILE DEVELOPER*   Sep 2021 - Sep 2022
- Pioneered the establishment of a COVID-19 relief Non-Profit Organization, driven by a clear purpose to raise funds and awareness during the pandemic, raised over a thousand dollars in finances towards cause.
- Directed the development and publication of a user-friendly iOS mobile application and website, with scope designed to engage supporters and fund research groups, directed human factors

Skills

Languages: Python, C, Java, R, C++, JavaScript, SwiftUI, React AI, React Native, Objective-C, Swift, C++ **|** *Tools:* AWS, Microsoft Office, Agile, Git, Android, Blockchain, Flask, TwilioAPI, RESTful API, Pandas, NumPy, Helm, Miro, Figma, Sketch, R&D, Photoshop, OpenGL, Metal **|** *Databases:* MySQL, PostgreSQL, MongoDB **|** *Web Technologies:* PHP, JavaScript, HTML5, CSS, jQuery, AngularJS, WCAG, WordPress CMS **|** *Other:* Public Speaking, Accountability, Communication, Creativity, Organization, SDLC, Low-Power Optimization, Multithreading, Performance Optimization, Collaboration, Architecture Design, Feature Development, Technical Decision Making, Infrastructure Practices

Awards: IGETC Certification from American River College **|** Seal of Biliteracy (French) **|** International Baccalaureate Diploma **|** Natomas Chamber of Commerce Scholarship **|** Natomas NextGen Computer Grant Award **|** NUSD Recognition of Excellence in Technology Award