

SUBRAT PANDEY

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SKILLS

- Tools & Frameworks:** Git, HTML 5, CSS, Django, Flask, React.js, Node.js, Angular, Figma, Spring Boot, AWS
- Technical Languages:** Python, Java, C#, JavaScript, LaTeX, TypeScript, SQL
- Databases:** MongoDB, MySQL, Spanner

PROFESSIONAL EXPERIENCE

GOOGLE , <i>Google Cloud Engineering Team</i> <i>Software Engineering Intern</i>	Sunnyvale, CA May 2023 – Aug 2023
<ul style="list-style-type: none">Authored and contributed to two technical design documents leading to the completion of both internship projectsDeveloped a web performance monitoring system for approximately 2000 pages in Google Cloud by defining performance budgets, saving user-defined budgets for different performance metrics, and establishing a mechanism to compare budgets with page audit results through the Lightrider toolIncorporated alerting system by using IssueTracker API to inform Cloud engineers to perform decisive, timely actions during budget failureUtilized Angular, TypeScript, Boq, & dependency injection to integrate Happiness Tracking Survey in Google Cloud’s Content Management SystemFormed survey questions; implemented a survey through Google’s User Interface “Listnr”; collaborated with two product managers to analyze responses	
GOOGLE , <i>Merchant Communications Team</i> <i>STEP Intern</i>	Mountain View, CA May 2022 – Aug 2022
<ul style="list-style-type: none">Constructed Flume (Java) data pipeline using ProtoBuf, Borg, GCL, Mendel, and Spanner to track merchant trends over time for estimated 500,000 US merchantsVisualized trends data into dashboards by writing scripts using GoogleSQL dialect and F1 query engineEstablished a baseline for future developers to track millions of global merchant data and enhance Google Shopping platform experience	
BLOOM ED <i>Program Manager</i>	Nashville, TN Sept 2020 – June 2021
<ul style="list-style-type: none">Supervised and trained 12 interns in computing environments like MS Suite, LaTeX, & PythonIncreased online content production by 60 % from Q4 2020 to Q1 2021Formulated structural plans in departments including graphics, design and animation, video production, web development, & makerspace; wrote and reviewed design docs to streamline project execution	

PROJECTS

TRAVELLO , <i>Full-Stack Engineer</i>	<ul style="list-style-type: none">Developed a hybrid mobile app using React Native (JavaScript) and Django (Python) that provides instructional guide for quicker boarding processImplemented service that allows travelers to scan and auto-classify bags as carry-ons or checked bags using CV2, SciPy, & Imutils
FISK SERVE , <i>Full-Stack Engineer</i>	<ul style="list-style-type: none">Developed a functional web app for Fisk University’s Dining Hall in which students and faculties can browse available food items according to mealtime using HTML 5, Tailwind CSS, ReactJS, NodeJS, RESTful APIs, & MongoDBIncorporated a feature to display nutritional values (carbohydrate, fat, and protein content) of served food items based on portion sizeEnabled interactive chat feature through WebSocket for students to give specific feedback to the chefs and order food items based on dietary preferences
EPSILON PREP , <i>Product Manager, Developer</i>	<ul style="list-style-type: none">Created a web app using HTML 5, CSS, Bootstrap 5, & JavaScript that allows undergraduate international students to search for universities in the US, UK, and CanadaCollaborate with a team of 3 to build a virtual assistant that assists applicants in shortlisting college based on scholarship, location, test scores, and relevant application materialsSupported 1500+ applicants of which 140+ got accepted into various colleges with decent financial aid

EDUCATION

FISK UNIVERSITY <i>Bachelor of Science, Computer Science</i> GPA: 3.94/4.0	Nashville, TN Aug 2020 – May 2024
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Relevant Courses: Data Structures and Algorithms, Computer Architecture, Operating Systems, Theory of Computation, Programming Languages, Database Management Systems

HACKATHONS AND LEADERSHIP

- Hackathons:** HBCU Battle of the Brains 2024 (**1st Position**); Equinix Fisk Hackathon (**2nd Position**); Zillow HBCU Hackathon (**2nd Position**); hackMIT (**Honorable Mention**)
- Leadership:** Center for Financial Advancement (CFA): Ambassador; **Ernst & Young (EY)**: Expedition EY scholar; Global Peace Young Leaders: President; **IBM**: Z Ambassador; Fisk University CS Club: Executive Member; Fisk University: TA for Database Management Systems course (CSCI-312)