






Bhavik Sachdev

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
EDUCATION

International Institute of Information Technology, Naya Raipur <i>Bachelor of Technology in Computer Science</i>	CGPA: 9.03 <i>Nov. 2022 – May 2026</i>
Delhi Public School, Raipur <i>Senior Secondary School</i>	92.6% <i>2022</i>



EXPERIENCE

Google Summer of Code 2025: CRIU  <i>C, linux kernel</i>	May 2025 – Present
<ul style="list-style-type: none">CRIU (Checkpoint/Restore in Userspace) allows you to stop a running application, save its state to disk and restart it using that data. Working on adding support for files on lazily unmounted mounts to CRIUModifying the statmount syscall in the linux kernel to export mount information for detached mounts	
Backend Intern: Fam (FamPay)  <i>Django, Go, SQL, Kafka</i>	Feb 2025 – Present
<ul style="list-style-type: none">Migrating SMS delivery from a Python monolith to a Golang-based notification microserviceDeveloping a templating engine to manage notification templates and provider details, enabling faster and more flexible message delivery.Added support for reversing gold transactions in the Python monolith, helping solve support tickets.	
Google Summer of Code 2024: CRIU  <i>C, linux</i>	May 2024 – Aug 2024
<ul style="list-style-type: none">Worked on adding support for pidfd file descriptors in CRIU (Work Report )Improved CRIU's ZDTM test suite by differentiating between dump failures and dump crashes 	

PROJECTS

bhshell  <i>C, linux</i>
<ul style="list-style-type: none">Constructed a simple shell from scratch complete with output redirection to file (or stdout) and the ability to pipe to another command. Demonstrates proficiency in Linux processes.
Blog Aggregator  <i>Go, postgres</i>
<ul style="list-style-type: none">Developed a RestfulAPI for an RSS Aggregator ApplicationSupports User Creation/Deletion, Adding/Deleting Feeds, Fetch all of the latest posts from RSS feeds a user follows, user specific end points require authentication headersWrote a periodically running scraper that updates the news feed with new posts.
Wordy: A Wordle Solver  <i>Python, Information Theory</i>
<ul style="list-style-type: none">Developed a 5, 6, 7 letter wordle  solver along with a CLI to use the solverSolver can guess a 5 letter word under 4 tries, 6 and 7 letter words in 3 triesUsed Information Theory and entropy to develop an algorithm for the next best guess

TECHNICAL SKILLS

Languages: C, Python, Go, SQL (SQLite, PostgreSQL), JavaScript
Technologies: Git, MakeFile, Linux, Protocol Buffers, Neovim (config )
Relevant Coursework: OS - I, OS - II, DBMS - I, DBMS - II, Data Structures, Design and Analysis of Algorithms, Data Communication, Computer Networks, Computer Organisation, Computer Architecture, Machine Learning, Software Engineering
Online Courses: CS50x , CS50 Python 