

# Divyanshu Shekhar

Software Engineer (Internship/Full-Time)

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## PROJECT EXPERIENCE

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**Workflow Reporter : Streamline failed workflow** [ Typescript, Probot, GitHub API, Postman ] January 2022

- Link: <https://github.com/marketplace/workflow-reporter>
- Used GitHub Developer REST API to fetch Pull Request and Failed Actions data to use it as custom messages.
- Used Docker Compose for multi-container, load balancing, and fault tolerance, increased efficiency by 90%.
- Deployed to Heroku with over 50 subscribed customers, resulting in successful implementation and adoption.

**Recite : All-in-one Text-to-speech android app for web & PDF** [ Flutter, Dart, Java, Docker ] April 2021

- Link: <https://play.google.com/store/apps/details?id=com.hackthedeveloper.recite>
- Integrated multi-language voice support using Google TTS and Spacy NLP Model for precise sentence detection.
- Continuous Integration/Deployment pipeline integration using GitHub Actions Workflow, pull requests, code reviews, load/stress testing, unit/integration/e2e testing
- Reached 10,000+ downloads with a monthly average of 2,000 active users through sustained efforts.

**DemonOS: An Operating System** [ Assembly, C, Makefile, Shell, Qemu ] July 2021

- Link: <https://github.com/divshekhar/DemonOS>
- Implemented key system components including Interrupt Descriptor Table (IDT), Global Descriptor Table (GDT), Programmable Interrupt Controller (PIC), and A20 line with a focus on switching from real to protected mode.
- Leveraged Makefile and Shell scripting to compile and build executable files, and created .iso files for distribution.
- Utilized Qemu for effective debugging and testing of the operating system.

**Flexboard : React component library for re-sizable sidebars** [ React, Typescript ] November 2022

- Link: <https://github.com/dorbus/flexboard>
- Led the team, set up the project structure, integrated continuous integration & deployed to NPM registry.
- Achieved outstanding community popularity with 300+ GitHub stars and 100+ weekly [NPM](#) downloads.

## ONLINE PORTFOLIO

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**hackthedeveloper.com : Code. Hack. Master.** [ WordPress, AWS, LiteSpeed ] April 2020 - Present

- Demonstrated expertise in many programming languages and trending technologies.
- Hosted on AWS, LiteSpeed Server, SEO Optimized, successfully retains a monthly user base of over 30,000.

## ACHIEVEMENTS

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- **Hult Prize 2022 On-Campus Winner:** Led the design and development team, Won 1st Prize, for creating a student connectivity app to enable project collaboration easy with *proof-of-skill* and *proof-of-work* concept.
- **AWS Academy Graduate - Cloud Semester 1:** Successfully completed and developed proficiency in using AWS core services such as EC2, S3, CloudFront, RDS, and IAM, through hands-on labs and assignments.
- Solved more than 500 [LeetCode](#) and Data Structure and Algorithm (DSA) Questions, showcasing adeptness in arrays, strings, recursion, dynamic programming, trees, and graphs with strong problem-solving.

## SKILLS

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- C/C++ | Java | Python | JavaScript | Dart | Go | TypeScript | Shell | SQL | MongoDB | Redis
- React | Redux | Flutter | Node | Express | Angular | Flask | Django | Linux | Git | Scrum | AWS | Docker
- Software Development | Design Pattern | Microservices | Distributed Systems | Frontend | Backend | Full-Stack
- English, Hindi - *All professional proficiency or above*

## EDUCATION

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**Kalinga Institute of Industrial Technology (KIIT) (BTech CSE)**

*Final (Fourth) year, CGPA 8.7*

**Kairali School (CBSE)**

*12th Grade, 90%*

**Saint Joseph's School (ICSE)**

*10th Grade, 93%*

Bhubaneswar, Odisha

*2020 – Expected. 2024*

Ranchi, Jharkhand

*2019*

Banka, Bihar

*2017*