

Amar Dura

Computer Engineering Undergrad

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Summary:

I am a final semester Computer Engineering student working on Dura language revitalization through digital platforms: website and mobile application. I am committed to community service, language documentation, and portrait photography. I am seeking opportunities to work on software development projects, more focused on backend and mobile applications.

Technical Skills:

Language: Java, C, C++, Python, HTML, CSS, JS, MERN, Flutter

Database: SQL

Blockchain: Solidity, Hardhat, Ethereum

Others: Figma, Git, Github

Projects:

[Dura Lopa Website](#)[2024]

- Built a website for Dura Language Dictionary and other Dura language resources with React
- Cleaned the dictionary data from the book pdfs and organized the data in the website
- This is the first online resource to learn Dura Language.

Dura Language Dictionary App[2024]

- Built a simple dictionary application for Dura Language with Flutter
- This is in coordination with Dura Students Society.
- Worked with json format dictionary data prepared from the book's pdf.

Kirati Cluster Language Dictionary App[2023]

- Built a single dictionary application for 12 different languages of Kirati Cluster with flutter
- This is in coordination with Linguist Dr. Taramani Rai (Central Department of Linguistic, TU)
- It is under development to include other languages of the Kirati Cluster.

[Nepali Spell Correction Using Transformer Model](#) [2024]

- Minor project for Bachelor of Computer Engineering[Sixth Semester]
- Prepared parallel dataset of Nepali Spelling Correction
- Fine Tuned mt5-small, mBart, Varta-t5 models using the dataset

IDverse [2023]

- Web3 project for student identity and credentials management
- During the Web3Assam Traineeship
- Worked as a smart contract and backend developer for this project

Hostel Finder Application [2022]

- Hostel information listing application using C++ and Qt
- Supported user login and hostel searching
- Implemented the concepts of object oriented programming in C++ during the third semester project

Digital Health Record in Blockchain [2022]

- Developed an app for managing health records using blockchain
- During eSatya Blockchain Fellowship V

Notebook App with MERN [2022]

- Developed a complete note-taking app with MERN during the web development workshop

Dura Blog using Python, Django [2021]

- Developed a multi-user blogging web app with Python and Django during a week-long Python workshop

Constitution of Nepal - 2072(Play Store) [2018]

- Developed an app containing the Constitution of Nepal-2072 and uploaded to Google Play Store
- Used Java in Android Studio to develop the Android app

Volunteer Work:

PiE(Partnership in Education): St.Xavier's College, Maitighar(2 Months)

- Volunteered at PiE, a non-profit agency under St. Xavier's College, Maitighar, which provides free tuition classes to students from economically challenged backgrounds attending government schools.

Education:

Bachelor in Computer Engineering: 2021-present

Institute of Engineering (IOE), Thapathali Campus, Kathmandu

Plus Two (Higher Secondary): 2018-2020

St. Xavier's College, Maitighar, Kathmandu

Training:

Web3Assam Summer Industrial Training Programme: 45 Days, 2023

Blockchain, Web3, Community Building, Marketing, Business Development

[Blockchain Fellowship V by eSatya](#): 3 Months, 2023

Solidity, Hardhat, Ethereum, HTML, JS, React

Data Fellowship by Code for Nepal: 3 Months, 2022

[SQL Server Developer Track at DataCamp](#)

Java Programming Language using Java SE8: 3 Months, 2018

Core Java, JSP, Servlet, Spring, Spring Boot

Soft Skills:

Active listener, Respectful

Languages:

- English: Fluent
- नेपाली (Nepali): Native

Interests:

- Data Literacy
- Community Volunteering
- Street Photography