

Arunkumar V

Web/Mobile Developer

Ernakulam, Kerala

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Skills

Proficient in various web frameworks & technologies.

Angular, Express.js, Node.js, Hapi.js, jQuery, C, Python, Java, **Firebase**, **Flutter**, Mongo, Pg/MySQL, ELK, LAMP, git, Leaflet. AVR & PIC microcontrollers.

Experience

CDAC, Chennai, India / Principal Engineer

November 2008 – Present (12 Years)

Developing web apps for government projects.

- Web app for National Biodiversity Authority (NBA). Implemented Patent/Journal Search & Filter module, E-Filing reviewing & approving module, Taxonomy dashboard. **MEAN** stack, ngx-charts.
- Portal for State Crime Records Bureau (SCRB). Worked on UX of dashboard, accused search & timeline visualisation. Utilised **Vue.js**, leaflet.
- Portal for Greater Chennai Corporation (GCC). Developed Grievance Redressal, Revenue, Air quality & Ambulance Tracking portals. Utilised Node.js, Google maps.
- Developed an embedded product - **Smart-plug** (Ethernet/Wifi interfaced) to measure electrical consumption. Utilised C, Atmega328P, W5100, RN171, Java, 78M6613.
- Worked on internal web portal called Project Accounting System. Customised UX in AngularJs.
- Worked on a research project - Instrumented bed - dealt with sleep & snore monitoring.
- Worked on Lighting devices such as dimmable ballasts & LED drivers. CADSTAR.
- Worked on a maritime portal - UX customisation in React, Mess Management System UX in html/css.

Personal works: Context Aware Framework - Java RMI, Malayalam English dictionary - Flask & SQLAlchemy, Browser extensions for Malayalam dictionary, A basic scheduler for AVR - C. Details at <https://arunkumarv.github.io/>.

Education

Amrita Vishwa Vidya Peetham / B. Tech / 2003 - 2007, Kerala

Major: Electronics & Communications (GPA: 6.5)

B. Tech Project: Secure Wireless Communication Device. Aims at an encrypted wireless walkie talkie. (Technologies: RC4, Delta modulator, FM module & PIC-16F877A).

ER&DC, CDAC, Trivandrum, Kerala,

PG Diploma in **Embedded System Design** - 2008 - Duration : 6 months

Data Structures, C, AVR, Linux

Model Technical HSS, Nedumbassery, Kerala,

Electronics, Electrical, C, **BASIC, FORTRAN**, 1998 - 2003