

# Varun Nair

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**Technical Skills:** Rust, Python, Blockchain, MongoDB, MERN Stack

EDUCATION			
B.Tech (CSE)	August, 2021 - Present	Vellore Institute of Technology, Bhopal	8.81/10 (CGPA)
Class XII	March, 2019	PACE Junior Science College, Mumbai	94.33%
Class X	March, 2019	OLPS High School, Mumbai	89.40%

PROJECTS	
Blockchain/Cryptography	<b>Tamper Evident Logging</b> [Nov'22 - Present] <ul style="list-style-type: none"><li>- <i>Description:</i> A tamper evident logging protocol in response to the shortcomings of public/permissionless blockchains.</li><li>- <i>Technology:</i> Rust, Yew, Python, FastAPI, MongoDB</li><li>- <i>Link:</i> <a href="https://nairvarun.xyz/flint/">https://nairvarun.xyz/flint/</a></li></ul>
Operating System	<b>KavachOS</b> [Dec'21 - Oct '22] <ul style="list-style-type: none"><li>- <i>Description:</i> Arch Linux based operating system to ensure your kids' safety and comfort online.</li><li>- <i>Technology:</i> Linux, Ezarch, Python, Qt Framework, Bash</li><li>- <i>Team Project:</i> 30+ members</li><li>- <i>Role:</i> Python developer &amp; Bash scripting</li><li>- <i>Link:</i> <a href="https://project-k-official.github.io/">https://project-k-official.github.io/</a></li></ul>
Machine learning	<b>Irregular Heartbeat Detection System</b> [Jul'22 - Aug'22] <ul style="list-style-type: none"><li>- <i>Description:</i> Machine learning model using XGBoost that can detect irregular heartbeats.</li><li>- <i>Accuracy:</i> 98%</li><li>- <i>Technology:</i> Python, numpy, scikit-learn, XGBoost</li><li>- <i>Team Project:</i> 4 members</li><li>- <i>Role:</i> Lead Developer</li><li>- <i>Link:</i> <a href="https://gist.github.com/nairvarun/b9744f7e81775de1d61bd601d576254b">https://gist.github.com/nairvarun/b9744f7e81775de1d61bd601d576254b</a></li></ul>

WORK EXPERIENCE	
Full Stack Web Developer (remote intern)	<b>PLYPICKER</b> (e-commerce) [Feb'22 - Oct'22] <ul style="list-style-type: none"><li>- Designed and maintained the entire database and AWS S3 instance.</li><li>- Added essential features to the website by creating new APIs.</li><li>- Scraped 70+ e-commerce websites by managing and contributing to the web-scraping team.</li><li>- Streamlined data pipeline by developing and optimising internal automation scripts.</li><li>- <i>Technology:</i> Python, MongoDB, AWS S3, MERN Stack (Mongoose, Express.js, React, Node.js)</li></ul>

ADDITIONAL INFORMATION	
Responsibilities	Core Member, Cyber Warriors Club (VITB) [Aug'22 - Present]
Achievements	Hackerrank 5 Star in Python and SQL
Languages	English, Hindi, Malayalam, Marathi