```
float multiply_row(unsigned int rowsize,
                   unsigned int *Aj, // column indices for row
                   float *Av,        // nonzero entries for row
                   float *x)         // the RHS vector
{
    float sum = 0;

    for(unsigned int column=0; column<rowsize; ++column)
        sum += Av[column] * x[Aj[column]];

    return sum;
}
```

**FIGURE C.8.2 Serial C code for a single row of sparse matrix-vector multiply.**